1. **DIN Rail Mounting**

Push the SiteManager from down and upwards to apply tension on the spring-lock, and in the same movement, push the SiteManager in, and over the top of the DIN rail.

2. **Power**

SiteManager must be fed 12 - 24V DC. Power consumption is max. 3W.

- Power should be applied to the GND and +V terminals only!

Note: In order for this product to conform with the UL safety certifications, this product must be installed in a Restricted Access Location.

3. **POWER**

SiteManager is mounted on the rack and wait approx. 1 minute for it to become ready. In the SiteManager Web GUI enter the menu using a password (printed on the product label).

1. Connect the DEVI or UPLINK1 port of the SiteManager to the local network and power it on. The SiteManager must be on the same subnet as your PC. Alternatively, connect the SiteManager with an Ethernet cable directly to your PC.
2. Power on the SiteManager and wait approx. 1 minute for it to become ready.
3. Start the Appliance Launcher and the SiteManager should be listed in the first screen. If it does not appear immediately, try pressing the Search button a couple of times. (Note that the Appliance Launcher will only show the SiteManager if your PC has a genuine private IP address (10.x.x.x, 172.16-31.x, 192.168.x x or 10.254.x))
4. Follow the Wizard and set the UPLINK1 address if you want to use a fixed IP address, or continue the wizard to set the IP address for the integrated WiFi module (model 1145 only), or PIN Code for the integrated broadband module (model 1135 only).

4. Using the default IP address (10.0.0.1)

- a. Connect the DEV port of the SiteManager to the Ethernet port of your PC using a standard Ethernet cable.
- b. Configure your PC's Ethernet adapter to 10.0.0.6 subnet mask 255.255.255.0.
- c. Power on the SiteManager and wait approx. 1 minute for it to become ready.
- d. Type the following in your web browser: https://192.168.2.2/24.
- e. Enter menu System > UPLINK1 to set the UPLINK1 address if you want to use a fixed IP address, or enter the menu System > UPLINK2 to set the SSID/WiFi Key for the integrated WiFi module (model 1145 only), or PIN Code for the integrated broadband module (model 1135 only).
- f. Continue with section E to configure GateManager settings.

5. **Ethernet ports (DEV and UPLINK1)**

Use a standard Ethernet patch cable (straight or cross over) to connect the UPLINK1 port to a switch in a network that has access to the internet.

The DEV port can be connected to an existing network separate from the UPLINK1 network, or you can create a separate device network isolated from the UPLINK1 network. But you can also just connect the UPLINK1 port, and only access equipment on the Uplink side.

1. **GateManager Parameters**

- a. Connect the UPLINK port of the SiteManager to the Ethernet port of your PC using a standard Ethernet cable.
- b. After approx. 1 minute the SiteManager should have received an IP address from your DHCP server.
- c. Check the lease list of the DHCP server to see what the IP address is.
- d. Type the IP address in your web browser preceded with https:// (e.g https://192.168.1.10)
- e. Login with user admin and the SiteManagers' MAC address as password (printed on the product label).
- f. Enter menu System > UPLINK1 to set the UPLINK1 address if you want to use a fixed IP address, or enter menu UPLINK2 to set the SSID/WiFi Key for the integrated WiFi module (model 1145 only), or PIN Code for the integrated broadband module (model 1135 only).
- g. Continue with section E to configure GateManager settings.

6. **Applying settings for connecting to a GateManager server**

- a. In the SiteManager Web GUI enter the menu GateManager → General (if using the Appliance Launcher, follow the wizard to the GateManager Parameters page).
- b. Enter the IP address of the GateManager server that the SiteManager should connect to, and a Domain Token for the domain where the SiteManager should appear. You should have received this information from your administrator or from where you received the SiteManager.
- c. When the settings are entered, you should reboot the SiteManager. Observe that the Status LED goes steady green, which indicates that the SiteManager is connected to the GateManager.
- d. Once attached to the GateManager, you can use the GateManager Console or a LinkManager Client to get remote access to the SiteManager Web GUI to perform additional configuration (DEV ports, Agents etc.)

5. **Detailed guides, can be found on this page:** [www.br-automation.com/sitemanager](http://www.br-automation.com/sitemanager)
Refer to the following table. The Power LED is Green when power is supplied.

<table>
<thead>
<tr>
<th>State (ALL models)</th>
<th>STATUS</th>
<th>CONNECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Booting</td>
<td>Steady Red Blink</td>
<td>-</td>
</tr>
<tr>
<td>GateManager Connecting or Disconnected</td>
<td>2 Red Blink</td>
<td>-</td>
</tr>
<tr>
<td>Remote Management is disabled via INPUT or SiteManager GUI</td>
<td>-</td>
<td>long pause + 2 Green Blink</td>
</tr>
<tr>
<td>GateManager Connected</td>
<td>On Green</td>
<td>-</td>
</tr>
<tr>
<td>- UPLINK is physically disconnected, or - GateManager configuration is missing in the SiteManager, or - The module or module host due to its address being configured as DSN name, and a DNS server is not configured or is not reachable/working.</td>
<td>On Red</td>
<td>-</td>
</tr>
<tr>
<td>LinkManager Connected</td>
<td>-</td>
<td>On Green</td>
</tr>
</tbody>
</table>

Note that it may take some time for the Status LED to reflect a new state. For instance a GM Disconnect may take up to 4 minutes to be reflected, depending on the Keep-alive Interval setting on the GateManager.

**Digital Input port 1 and 2**

In "OFF" (inactive) state at 24 V or above, and in the "ON" (active) state at 0.16 V or below. The behavior for input voltages between 0.16 V and 2.34 V is undefined.

There is an internal 10 kohm pull-up resistor to 3.3 V, so an unconnected input port is in the "OFF" state. Input port 1 is by default assigned to toggle GateManager Access. By connecting a simple on/off switch you can control when remote service should be allowed.

**Relay Output 1:**

Output is a "dual pin" port where both pins are isolated when OFF and short-circuited when ON. Output port 1 is by default configured to go active when a LinkManager is connected, and can be turned on by using a relay connected to GND.

**Output1** is a "dual pin" port where both pins are isolated when OFF and short-circuited when ON. Output port 1 is by default configured to go active when a LinkManager is connected, and can be used to turn on a lamp that notifies the user that the device is being used.

Maximum sink current is 0.5 A. Maximum Voltage is 24V.

**Regulation Notices**

- NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense. Operation is subject to the following conditions:
  1. This device may not cause harmful interference.
  2. This device must accept any interference received, including interference that may cause undesired operation.

Specific to the integrated WiFi module (model I45S only)

1. The module supports IEEE 802.11n at 2.4GHz or 5GHz band, with a maximum output power of 22dBm for IEEE 802.11n and 7dBm for IEEE 802.11b/g.
2. The module is certified by FCC (ID: GOMWF1) and CE (ID: 63418L). This module does not exceed the mandatory RF Exposure limits in the 2.4GHz band.
3. The module is in conformance with the following standards and/or normative documents: Safety EN 60950-1:2006+A11:2009+A1:2010+A12:2011, EMC EN 301 489-1/-7/-24, Radio EN 300 328 (V1.8.1).
4. The maximum power output of the integrated 802.11n module is subject to the following conditions: The maximum gain of a connected antenna must not exceed 3.5 dBi in the cellular band.

**Internet access via integrated broadband (model I45 only)**

The broadband modem connection is referred to as UPLINK2. The SiteManager will use default always attempt to use the Ethernet connection (UPLINK1), and only use UPLINK2 if the Internet connection is lost on Uplink1. Once a connection is established on UPLINK1, switching to UPLINK2 will only be attempted at next reboot, or if the Internet connection on UPLINK2 is lost.

The modem is using a SIM PIN Code you should enter the PIN Code into the System > UPLINK2 menu of the SiteManager. The SiteManager will automatically detect the APN (Access Point Name) from an internal table, but can also be manually entered via the UPLINK2 menu.

If your SIM card does not have a PIN Code, you do not have to make any further configuration of UPLINK2 in the SiteManager. The PIN Code can be removed from a SIM card by inserting it into a standard mobile phone, and use the remove SIM card function of the phone.

In order to reduce data traffic, you can configure UPLINK2 to let the 3G/GPRS connection enter sleep mode if idle. The connection will be reestablished when sending an SMS to the phone number on the SIM card.

**SIM card insertion:**

1. Slide the SIM card into the slot.
2. Use a sharp object, such as a screwdriver, to push the SIM card further into the slot (approx 2 mm), until you hear the click of the spring lock.

**Internet access via integrated WiFi module (model I45S only)**

The SiteManager can connect to a WiFi access point using its integrated WiFi module. The connection is referred to as UPLINK2.

When enabling the WiFi client, the SiteManager will be by default attempt to connect with the SSD "sitemanager" and the MAC address of the SiteManager as WiFi Key.

The SSD and WiFi Key can be configured in the System > UPLINK2 menu.

**Output port 2**

Output2 is a "single pin" port, which is pulled towards GND when ON, and is high-impedance when OFF. The port is an "open drain" kind, which means that just like a switch no voltage is output by the port itself, but must be supplied either from an external source (max 24 V) or from the Vout (5V) pin. In the "OFF" (inactive) state, the impedance is min 24 Mohms; in the "ON" (active) state, the impedance is max 0.5 ohms.

Maximum sink current is 0.2 A.

Refer to the guide "Working with 10 ports" for application scenarios.