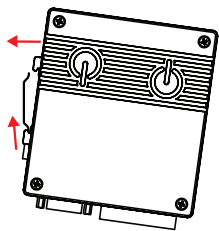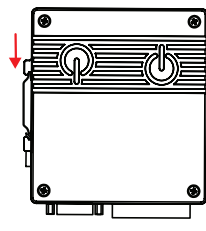# SITEMANAGER 1115/1135/1145   INITIAL SETUP

A   DIN Rail Mounting

❶
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.

❷
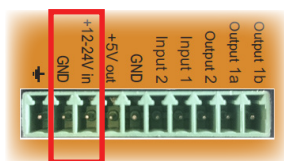Release and ensure that the SiteManager it is firmly mounted

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

B   POWER

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

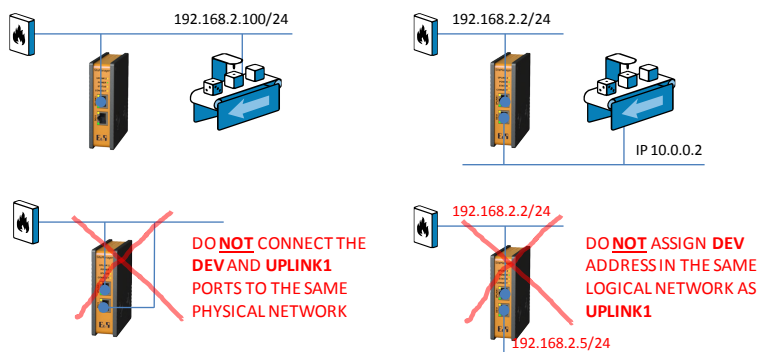**Power should be applied to the GND and +V terminals only!**

It is recommended to connect the earth ground in order to reduce interference of noise.

C   Ethernet ports (DEV1 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.

192.168.2.100/24

192.168.2.2/24

IP 10.0.0.2

DO **NOT** CONNECT THE **DEV** AND **UPLINK1** PORTS TO THE SAME PHYSICAL NETWORK

192.168.2.2/24

DO **NOT** ASSIGN **DEV** ADDRESS IN THE SAME LOGICAL NETWORK AS **UPLINK1**

192.168.2.5/24

D   Applying UPLINK settings for accessing the Internet

The SiteManager requires being able to access the Internet via an **Uplink port** in order to target a GateManager server. By default it will receive its IP address by DHCP, and you only need to manually configure the Uplink settings if you will use a fixed IP on the Ethernet port (UPLINK1), or if your SiteManager has a wireless option (UPLINK2) you may have to additionally configure WiFi settings (model 1145) or broadband settings (model 1135).

Select one of the following 4 methods:

1. Using **Automation Studio.**

    The feature will be available from firmware release 6.0, Q2 2015

2. Using the **Appliance Launcher.**
    a. Download and install the Appliance Launcher tool from here: **www.br-automation.com/appliance-launcher**
    b. Connect the **DEV1** 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.
    c. Power on the SiteManager and wait approx. 1 minute for it to become ready.
    d. 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.x, 192.168.x.x or 169.254.x.x))
    e. Follow the Wizard and set the **UPLINK1** address if you want to use a fixed IP address, or continue the wizard to menu **UPLINK2** to set the **SSID/password** for the integrated WiFi module (model 1145 only), or **PIN Code** for the integrated broadband module (model 1135 only).

3. 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 10.0.0.2 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://10.0.0.1
    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 the 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.

4. Using a **DHCP server**
    a. Connect the **UPLINK** port of the SiteManager to your local network and power it on.
    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://192.168.41.13).
    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 set 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.

E   Applying settings for connecting to a GateManager server

1. In the SiteManager Web GUI enter the menu **GateManager --> General** (if using the Appliance Launcher, follow the wizard to the **GateManager Parameters** page).

2. 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.

3. 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.

4. 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**

Refer to the following table. The **Power** LED is Green when power is supplied.

State (ALL models)	STATUS	CONNECT
Booting	Steady Red Blink	-
GateManager Connecting or Disconnected	2 Red Blink	-
Remote Management is disabled via INPUT1 or SiteManager GUI	-	long pause + 2 Green Blink
GateManager Connected	On Green	-
- UPLINK is physically disconnected, or - GateManager configuration is missing in the SiteManager, or - No route to GateManager host due to its address being configured as DNS name, and a DNS server is not configured or is not reachable/working.	On Red	-
LinkManager Connected	-	On Green

State (model 1145 only)	UPLINK2
- No WiFi SSID configured - SSID configured but no WiFi Key configured - SSID and WiFi Key configured, but no access point found matching the SSID.	Off
WiFi SSID Found but not connected yet. Possible WiFi Key error.	2 Green Blink
WiFi connected successfully.	On Green

State (model 1135 only)	UPLINK2
No SIM card detected	Off
Wrong or missing SIM PIN Code	3 Green Blink
SIM PIN code OK, but no connection. (Trouble shoot in SiteManager GUI)	2 Green Blink
GPRS connected (slow connection)	On Green + 1 Green Blink
3G connected (fast connection)	On Green

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.

G	IO Ports

Digtial Input port 1 and 2
In "OFF" (inactive) state at 2.34 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 kohms 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:
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 users that the device is being serviced. Maximum sink current is 0.5 A. Maximum Voltage is 24V

Digital Output 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 IO ports" for application scenarios.

H	Internet access via integrated broadband (model 1135 only)

The broadband modem connection is referred to as **UPLINK2**. The SiteManager will as 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 UPLINK2, switching to UPLINK1 will only be attempted at next reboot, or if the Internet connection on UPLINK2 is lost.

I 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:

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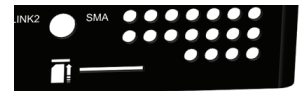
❷
Use a sharp object, such as a screwdriver, to push the SIM card further into the slot (approx 2 mm), until you hear the click of the spring lock.

❸
The SIM card is properly inserted when it is level with the SiteManager cabinet.

I	Internet access via integrated WiFi module (model 1145 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 SSID "sitemanager" and the MAC address of the SiteManager as WiFi Key.

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

J	Regulation Notices

Product compliance: CE (EN 61000-6-2, EN 61000-6-4, EN 301 489-1, EN 301 489-3) • FCC 47 cfr part 15 * • UL Listed (file #E358541, ITE 4ZP8) • IEC CB certified (CB certificate DK-45441-UL)