Orange Box – SiteManager
Configuration
<table>
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<th>Version</th>
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1 INTRODUCTION

The SiteManager (ORMSM1135.4G-EU) makes it possible to send Orange Box alarms as text messages to configured receivers. This document should serve to configure the SiteManager in a correct way and to connect it to the Orange Box.

You can get more information about the SiteManager from the SiteManager documentation, which can be downloaded from the B&R homepage.

2 POWER SUPPLY

The SiteManager has a terminal block on the bottom. Power should be applied on the GND and +12-24V in terminals only!

Figure 1: SiteManager terminal block

3 CONFIGURATION

3.1 Reset

The SiteManager has a reset button on the top, which can be used to restore the factory settings.

- If the reset button is pressed, the SiteManager is restarted.
- If the reset button is pressed for more than 5 seconds, the SiteManager is not only restarted but also reset to the factory settings.

The first step of the configuration is to reset the SiteManager to the factory settings, if it is not yet at the factory settings.

3.2 Configuration via Appliance Launcher Tool

For the next steps the Appliance Launcher Tool is necessary. It can be downloaded from the B&R homepage.

Step 1: Switch on and connect

The SiteManager must be switched on and connected to the network via the DEV1 port. It is important to ensure that the hardware is on the same subnet as the PC. Alternatively, the SiteManager can be connected directly using an Ethernet cable.

Step 2: Start Appliance Launcher and find SiteManager

Now start the Appliance Launcher Tool. All connected devices are listed using the search function. Once the SiteManager has been found, you can continue by clicking the “Next” button.
Step 3: Set network parameters

Now you need to enter the IP address and the subnet mask of the SiteManager. For the Orange Box the IP address must be 192.168.0.15 and the subnet mask must be 255.255.255.0.

Step 4: WAN/UPLINK parameter

At this page the standard parameters are already enough, continue with the configuration by clicking the "Next" button.
Step 5: WAN2/UPLINK2 parameter

At this window, enter the SIM PIN code and APN (access point name). The APN depends on the respective mobile network provider and can be found online.

Step 6: GateManager parameter

Now a GateManager can be configured. This is not necessary for the usage in the Orange Box, so everything can be left empty.
Step 7: Finished, rebooting

Finally everything will be saved and the SiteManager makes a reboot. The reboot takes about 1-3 minutes.
3.3 Configuration via webbrowser

After you finished the configuration via the Appliance Launcher tool, you have to make some settings in the “Setup assistant”. This assistant can be launched from a web browser.

**Step 1: Launch Setup Assistant**

Open a webbrowser, e.g. Google Chrome. Enter “https://” followed by the IP address of the SiteManager, so “https://192.168.0.15”. You must be in the same network for this!

It is possible that a message is displayed when loading the page that states the connection is not secure. To display the page, click on “Advanced” and then “Continue to 192.168.0.15”.

**Step 2: Authentication**

Authentication is required in the next step. Enter “admin” for the username and the MAC address for the password. The MAC address can be found on the SiteManager. It must be entered without any dots or spaces. For example, if the MAC address is “00.C0.A1.01.4E.60”, then the password is “00C0A1014E60”.

**Step 3: Change password (optional)**

The “Setup assistant” appears after successful authentication. The administrator password can be changed now by clicking at the “Fix” button at number 7 “Admin Password”.

Enter a new password in the next dialog box. The new password must be between 8 and 47 characters. It must contain at least one numeric digit. Special characters are permitted. After the password is changed successfully, the authentication window is displayed again. Use the new password here. Click on the “Continue setup” button to return to the main page.
Step 4: Device Agents

Now the controllers which are connected to the SiteManager must be specified.
Specify the parameters for the connected CPU in the next window. This includes defining the device name, device type and IP address of the CPU.

For the Orange Box the device type is B&R, and the connection type Ethernet. The IP address will be specified as the IP address of one of the Ethernet ports of the Orange Box. ETH2 of the Orange Box is by default 192.168.0.1, so you can use this. If you changed it you can also enter any other IP address.

Afterwards save the parameters.

Step 5: Uplink2 configuration

Since the SiteManager is being used as a modem to send SMS text messages, Uplink2 must be configured.
Specify the mode (SMS only), APN and SIM PIN code. These were also used earlier in the configuration with the Appliance Launcher tool. After that, save the parameters and go back to the main menu.

Step 6: GateManager

The notification mode is now configured using the GateManager. This is done by enabling the “Alert mode” and selecting “None” for the identification. The port can be changed with the parameter “Agent alerts TCP/UDP port”. This is must be set as 26864.
Step 7: Reboot

The SiteManager is restarted in the last step. This completes the configuration of the SiteManager. Now it can be used.
Figure 17: Setup Assistant, confirm reboot