SMA

Quick Reference Guide for Commissioning

SUNNY WEBBOX

SUNNY WEBBOX

USBCOM NETCOM SMACOM MEMORY REPORT SYSTEM POWER
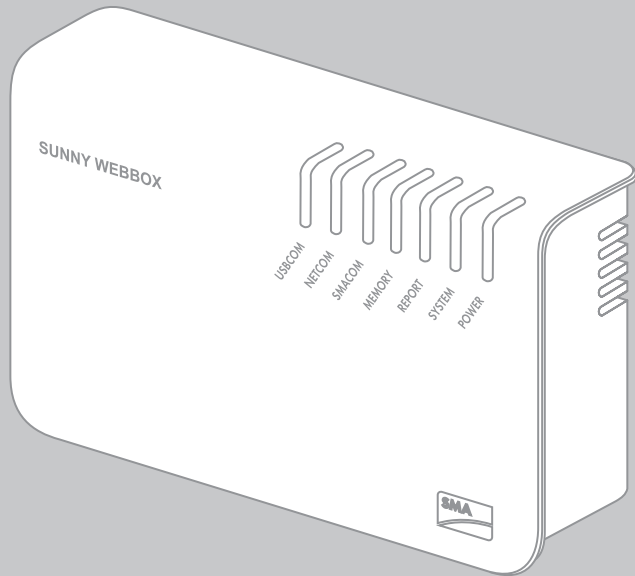
SWebBox-IS-en-13 | Version 1.3   **AMERICAN ENGLISH**

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1 INFORMATION ON THIS DOCUMENT

Validity

This document is valid for the Sunny WebBox from hardware version M1 and firmware version 1.61.

2 SAFETY

The Sunny WebBox is a data logger that records and logs the data of a PV system and makes it available for retrieval.

Only operate the Sunny WebBox using the supplied plug-in power supply and in the specified voltage range. The Sunny WebBox is only to be used with original accessories or accessories that are explicitly recommended by SMA*. Only use the Sunny WebBox for the purposes described in this document.

For safety reasons, it is not permitted to modify the product or install components that are not explicitly recommended or distributed by SMA for the product. Unauthorized modifications and installations are forbidden and will void all warranty claims. Any use of the product other than described in the Intended Use section does not qualify as appropriate. The type label must remain permanently attached to the product. Only use the product in accordance with the information provided in the enclosed documentation. Any other use can result in personal injury or property damage.

Before installing or using the product, read and observe all instructions, safety precautions and warning messages in this document and in the product documentation on the enclosed CD.

* SMA = SMA America LLC, SMA Solar Technology Canada Inc

Safety Precautions

> ⚠ **WARNING**
>
> **Danger to life due to electric shock**
>
> Lethal voltages are present in the device and in the plug-in power supply.
> - Do not open the device or the plug-in power supply.
> - Only use the device indoors and in a dry environment. Keep it away from liquids.

> ⚠ **CAUTION**
>
> **Risk of injury due to incorrect cable routing**
>
> Incorrectly routed cables may cause a tripping hazard.
> - Install the cabling in such a way that no one can step on or trip over it.

3 SYSTEM REQUIREMENTS

Operating system
- Microsoft Windows 7
- Microsoft Windows Vista
- Microsoft Windows XP SP2
- Linux from kernel version 2.6.12* (KDE)
- MacOS from version 10.6

   * with Sun Java Runtime Environment (JRE) from version 6

Recommended Display Resolution
- 1,024 pixels x 768 pixels

Web browser
- Internet Explorer from version 8
- Firefox from version 3.6

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4 PREPARATION

This quick reference guide will guide you through the commissioning stages of the Sunny WebBox.
Observe also the information on set-up/mounting location in the Sunny WebBox user manual.

5 UNPACKING

For commissioning, you will need the following items from the packaging:
- Sunny WebBox
- Plug-in power supply with travel adapter
- Blue network cable (Ethernet crossover cable)
- Red network cable (patch cable)

6 COMMISSIONING

1. Use the red network cable to connect the Sunny WebBox and a node connected to the computer (e.g. router, network switch, hub).
   or
   Use the blue network cable to connect the Sunny WebBox directly to a computer.
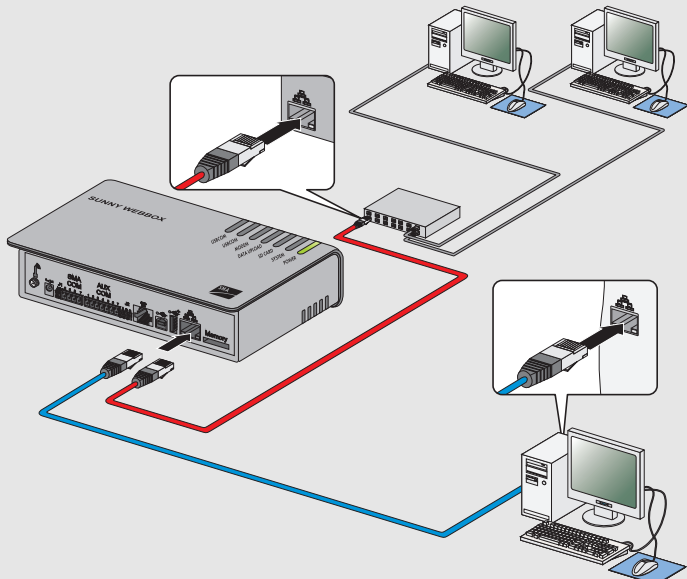
2. Connect the plug-in power supply to the Sunny WebBox and plug into an outlet.
☑ The Sunny WebBox starts and is ready for operation as soon as the LEDs **REPORT**, **SYSTEM** and **POWER** are glowing green. The start-up procedure can take up to 90 seconds. With Sunny WebBox devices from hardware version M1 and from firmware version 1.61, the start-up procedure can take up to 240 seconds.
3. If the LEDs **REPORT**, **SYSTEM** or **POWER** are not glowing green, see the **TROUBLESHOOTING** section (see Section 8, page 2).

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7 CONFIGURING WITH THE SUNNY WEBBOX ASSISTANT

The Sunny WebBox Assistant will guide you through the configuration of the Sunny WebBox.
Install the Sunny WebBox Assistant on the computer. Use the enclosed CD or download the Sunny WebBox Assistant from the download area at www.SMA-Solar.com.

ℹ **Enabling JavaScript in the web browser**

The user interface of the Sunny WebBox and the Sunny WebBox Assistant require JavaScript in order to correctly display and run contents and functions.
- Enable JavaScript in your web browser. If necessary, refer to the help section of your web browser.

ℹ **Commissioning all nodes**

If you wish to integrate the Sunny WebBox in the local network without the Dynamic Host Configuration Protocol (DHCP), commission all the nodes of your local network. The Sunny WebBox Assistant will help assign a free IP address.

Starting the Sunny WebBox Assistant

1. Launch the appropriate Sunny WebBox Assistant start-up file for your operating system:

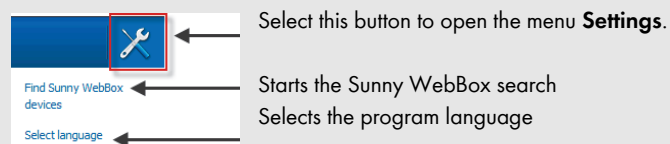| Operating system	Sunny WebBox Assistant start-up file
- Microsoft Windows 7 - Microsoft Windows Vista - Microsoft Windows XP SP2	Sunny-WebBox-Assistant.exe
- Linux* - MacOS	Sunny-WebBox-Assistant.jar

   * with Sun Java Runtime Environment (JRE) from version 6

☑ The Sunny WebBox Assistant opens in the web browser.
✖ If the Sunny WebBox Assistant does not open, see the section **TROUBLESHOOTING**.

Menu Overview

Select this button to open the menu **Settings**.

Starts the Sunny WebBox search
Selects the program language

Searching for the Sunny WebBox

2. Accept the license agreement and click [**Next**].
3. If the Sunny WebBox has not yet been commissioned, commission it (see Section 6, page 1) and select [**Next**].
   ☑ The Sunny WebBox Assistant starts searching for Sunny WebBox devices in your network.
   ✖ If the Sunny WebBox Assistant cannot find the Sunny WebBox, see the **TROUBLESHOOTING** section (see Section 8, page 2).

Configuring the Sunny WebBox

4. Select the Sunny WebBox to be configured.
5. Select [**Configure the WebBox**].
☑ The Sunny WebBox Assistant will guide you through the basic settings of the Sunny WebBox. Follow the instructions of the Sunny WebBox Assistant.

8 TROUBLESHOOTING

The POWER LED is off

There is no voltage supply to the Sunny WebBox.
- Ensure that the Sunny WebBox is connected to the voltage supply.

The SYSTEM LED is glowing permanently red

To restart the Sunny WebBox, remove the plug-in power supply of the Sunny WebBox from the outlet, wait a few minutes, and reinsert it.
If the problem is not solved with a restart, contact the SMA Service Line.

The Sunny WebBox does not establish a connection via the DSL router.

With DSL routers of certain manufacturers, the connection may be aborted when the router switches to energy-saving mode.
- Deactivate the energy-saving mode of the DSL router.
- Use the "LAN 1" port of the DSL router since the energy-saving mode for this port is usually deactivated by default.

The Sunny WebBox Assistant does not open

Error message: http://localhost:4145/s/init
There is no standard web browser set up on your operating system.
- Set up a standard web browser on your operating system. If necessary, refer to the help section of your operating system.

There is no web browser installed.
- Install a supported web browser on your operating system.

The Sunny WebBox Assistant cannot find the Sunny WebBox

- IPv6 is possibly not supported by other network components (e.g. proxy server, WLAN router). Connect the Sunny WebBox directly to the computer with the blue network cable and repeat the search.
- The Sunny WebBox is in another network area that cannot be accessed. Connect the Sunny WebBox directly to the computer with the blue network cable and repeat the search.
- A firewall is blocking the connection to the Sunny WebBox. Deactivate the firewall during commissioning or enable the necessary connection (protocols: HTTP, UDP on port 80). If necessary, refer to the help section of the firewall and repeat the search.

IPv6 cannot be activated in Windows XP

- You require administrator rights on your computer in order to activate IPv6. After activating IPv6, restart the computer and start the Sunny WebBox Assistant.
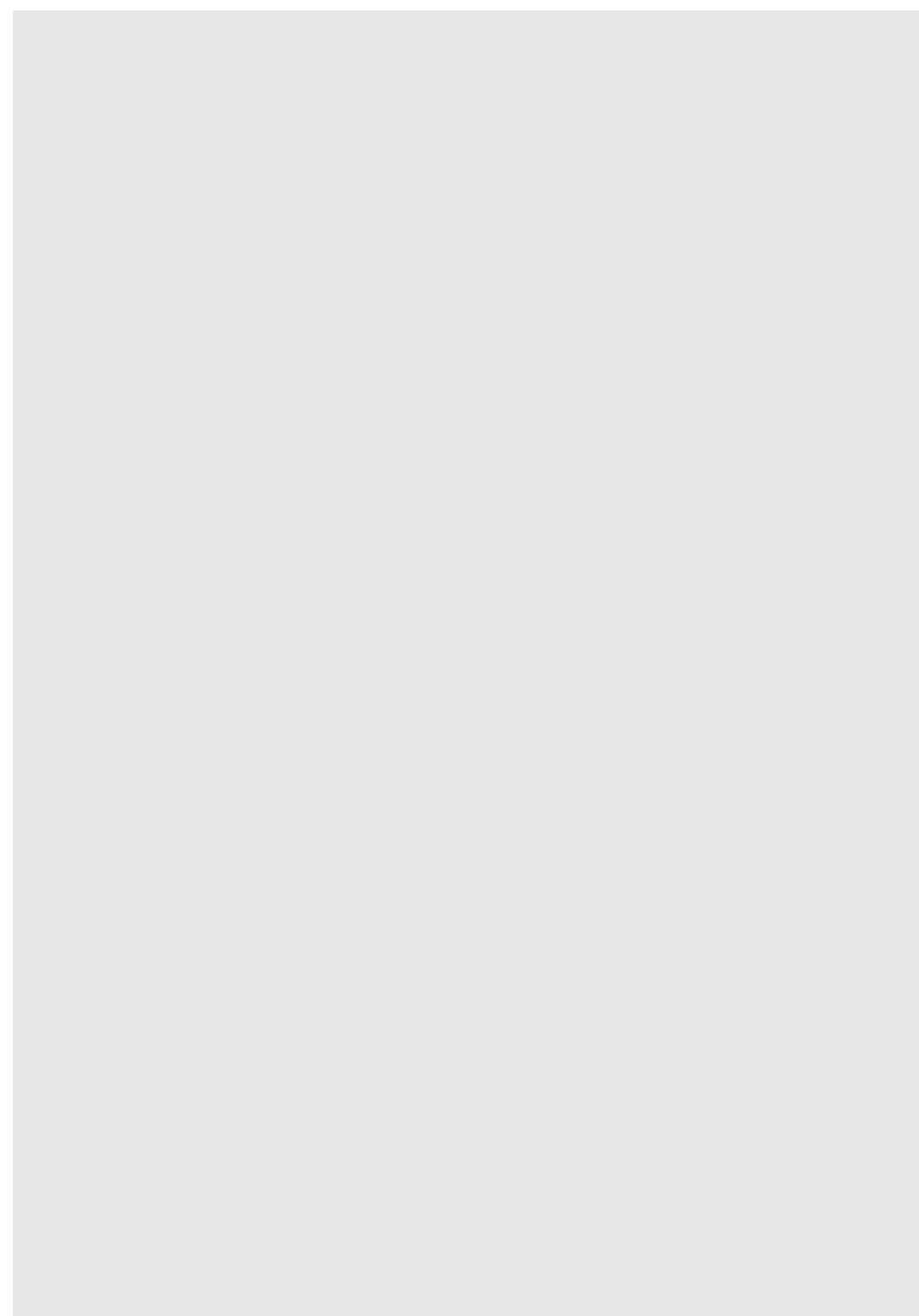- Activate IPv6 manually in Windows XP SP2 (see the Sunny WebBox user manual).

9 CONTACT

If you have technical problems with our products, contact the SMA Service Line. We require the following information in order to provide you with the necessary assistance:

- Operating system of your computer
- Firmware version of the Sunny WebBox
- Software version of the Sunny WebBox Assistant
- Type of communication interface between Sunny WebBox and the inverters

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Österreich	Siehe Deutschland		
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