

# Solar-Log™

Release Note

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www.solar-log.com

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# 1. New Solar-Log<sup>™</sup> series

# **1.1. Solar-Log™ WiFi**

**New**: With the exception of the PM series, a WiFi option is available for the entire Solar-Log<sup>TM</sup> series. The Solar-Log<sup>TM</sup> WiFi has an integrated, invisible WiFi antenna with sufficient power. The Solar-Log<sup>TM</sup> WiFi is configured by means of the WEB interface or the touch screen (Solar-Log<sup>1000</sup>).

The screen allows to see the signal strength. In this way it is possible to check if a permanent connection can be secured or if possibly a repeater has to be installed.

In a second step there will also be a firmware including the WPS function, which allows suitable routers to set up the WiFi on the router by starting the WPS function.

Target groups for the Solar-Log<sup>™</sup> WiFi are domestic plants with available WLAN access point.

### Advantages:

- No cables required
- Less installation effort
- No network accessories required (e.g. Power-Line)

The Solar-Log<sup>™</sup> WiFi supports all current security standards such as WEP, WPA and WPA2.

#### **1.2.** Solar-Log<sup>™</sup> GPRS

**New**: A version with integrated GPRS is available for the Solar-Log<sup>1000</sup> and Solar-Log<sup>1000</sup> PM models. There is therefore no more need of an external GPRS modem. The magnetic base antenna delivered with the Solar-Log<sup>™</sup> offers good connectivity (cable length 2 meters).

Optionally, an external outdoor antenna can be connected. The Solar-Log<sup>™</sup> has a special adapter for this antenna.

The SIM card is inserted into the Solar-Log<sup>™</sup> from the side and hidden by the housing to prevent theft, for example in rented apartment houses.

The Solar-Log<sup>TM</sup> GPRS is configured by means of the configuration menu. Since an external modem is no longer necessary for the Solar-Log<sup>1000</sup>, there is no need of an RS232 interface. The integrated modem in the Solar-Log<sup>TM</sup> is based on the GPRS standard (Quad band modem).

# Advantages:

- Better data connectivity through the possible hardware reset
- Less installation effort
- No second power supply required, less power consumption

# **1.3.** Solar-Log<sup>200</sup> with S0 interface

**New:** All new Solar-Log<sup>200</sup> devices are now provided with an S0 interface. This is in response to the increasing demand for domestically consumed self-generated electrical power. By means of the integrated S0 interface, S0 meters can be implemented for the domestic consumption measurement. The graphics of the domestic electrical consumption can now be seen on the Solar-Log<sup>200</sup> as in the case of other models. The connecting of external displays to the S0 interface, however, is not possible on the Solar-Log<sup>200</sup>.

The price of the Solar-Log<sup>200</sup> with S0 interface has not changed with respect to the previous model without the S0 interface. It only has a new item number.

# 1.4. Summary

There will be additionally 8 new Solar-Log<sup>™</sup> models available:

- Solar-Log<sup>200</sup> WiFi
- Solar-Log<sup>200</sup> WiFi/BT
- Solar-Log<sup>500</sup> WiFi
- Solar-Log<sup>500</sup> WiFi/BT
- Solar-Log<sup>1000</sup> WiFi
- Solar-Log<sup>1000</sup> WiFi/BT
- Solar-Log<sup>1000</sup> GPRS
- Solar-Log<sup>1000</sup> GPRS/PM

# 2. Firmware 2.4

# 2.1. Simple Solar-Log<sup>™</sup> access via DHCP

**New:** All Solar-Log<sup>TM</sup> models are now easier to connect with the new firmware. Now all models are set to DHCP ex factory and are allocated an IP address by a DHCP router. The Solar-Log<sup>TM</sup> is then accessible via <u>http://solar-log</u>. Therefore, it is no longer necessary to configure an IP address manually. Of course, it is still possible to allocate an IP address manually to the Solar-Log<sup>TM</sup>.

### Note:

Addressing the Solar-Log<sup>TM</sup> via <u>http://solar-Log</u> is only possible when **exclusively one Solar-Log**<sup>TM</sup> exists in the network. In case there is more than one Solar-Log<sup>TM</sup> in the network, the Solar-Log<sup>TM</sup> has to be accessed via the IP address, which can be determined via router.

# 2.2. Solar-Log<sup>™</sup> Easy Installation

To make the installation of the Solar-Log<sup>™</sup> easier, the commissioning has been simplified considerably. After connecting all inverters and connecting to the network, the following steps are carried out automatically. Among these is the inverter detection, the connection to the Internet and the registration for Solar-Log<sup>™</sup> WEB.

The LEDs on the Solar-Log<sup>TM</sup> signal the status of the installation process. Easy Installation starts on the Solar-Log<sup>200</sup> automatically when it is turned on. On the Solar-Log<sup>500</sup> and Solar-Log<sup>1000</sup> models, the process has to be started manually.

The new "Easy Code", which can be found on the device label of the Solar-Log<sup>M</sup>, is used to register the Solar-Log<sup>M</sup> in the corresponding portals like Solar-Log<sup>M</sup> WEB Commercial or Solar-Log<sup>M</sup> WEB Classic 2. These steps can easily be performed at the office.

# **Important:**

Easy Installation is intended for smaller plants to ensure that all inverters are detected during installation. Easy Installation is currently possible only with the most common inverters.

# Compatible inverters for Easy Installation (status April 2011):

Danfoss, Delta, Diehl, Fronius, Kaco, Kostal, Mastervolt, Phoenixtec, Powerone, Refusol, SMA, Solarmax, Sungrow, Sunways.

Further inverter manufacturers are being added continually.

# Easy Installation in the Solar-Log<sup>™</sup> WEB

The **EasyInstall** module in the back-end menu allows a Solar-Log<sup>TM</sup> to be integrated quickly and easily into Solar-Log<sup>TM</sup> WEB (Classic 2 or Commercial). All that is necessary is to enter the serial number as well as the license key (Easy Code) delivered with the Solar-Log<sup>TM</sup>. The basic data is set up automatically (manual set up is thereby unnecessary). The FTP access data are automatically sent to the Solar-Log<sup>TM</sup>, which means that the FTP access data must no longer be entered on site.

### Advantages:

- No configuration necessary on site
- Installation possible by less experienced personnel
- Remote configuration possible

Manual configuration without Easy Installation is still possible.

# 2.3. Inverter replacement

When replacing faulty inverters, the new inverters must take the place of the old inverters. This created considerable difficulties in the past, especially for large plants. With the new "Inverter Change" function, it is now possible to allocate the new inverters quickly and easily. During the detection process, all old and new inverters are displayed in a menu and can be simply assigned. An inverter replacement can thus be performed in little time.

The "Inverter Change" function is only needed for inverters, which cannot be addressed on the inverter display.



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