

SOLARFOX[®] S8 Touch



INSTALLATION MANUAL
ENGLISH

solarfox[®]
SOLAR DISPLAY SYSTEMS

Content

I.	Introduction	3
II.	Display Installation.....	5
1.	Selecting the display location.....	5
2.	Start of Solarfox display setup	6
	2.1. Select your language	6
	2.2. Setup-Wizard.....	6
	2.3. Internet connection	7
	2.4. Advanced Settings.....	8
III.	Options configuration	10
	1. Navigation Menu	10
	2. Slideshow configuration.....	11
	3. Standby-Funktion.....	12
	4. Weather configuration	12
	5. Audio & Music configuration.....	12
	6. Media-Player	13
	7. Visualization of Energyconsumption	13
	8. FAQ	13
	9. Personal notes	14



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 You can save **14** pages of recycled paper, 1.4 l. of Water and 62 g. of CO₂.

I. Introduction

Please read the complete manual before starting the Solarfox® S8 Display-System. The manual will guide you step- by- step through the setup procedures. Setup usually takes less than 5 minutes.

ATTENTION!

IMPORTANT SETUP NOTICE

Please register your Solarfox® S8 display before continuing!

Your Solarfox® account will usually be activated within 24 hours on weekdays.
After activation you will receive your username and password for your account.

Setup of your Solarfox® S8 Display will require the following steps:

- 1) Selection of display location (WLAN / WiFi reception and electrical connection).
- 2) Online- Registration of the display (please see page 4)
- 3) Receiving your user- data (user name and password) via eMail
- 4) Display configuration over “TouchScreen”, entry of user- data
- 5) Starting Solarfox® slideshow
- 6) Change contents when logged on to: www.solarshow.net

Solarfox® supports the following data sources:

- 1) Solar-Log™ WEB Classic 1
- 2) Solar-Log™ WEB Classic 2
- 3) Solar-Log™ WEB Commercial
- 4) Other Source / Your Website or FTP

Important:

Please note the instructions for display registration below:

Solarfox® Online-Activation:

1) Solar-Log™ WEB Classic 1:

Solar-Log WEB Classic 1 is the classic Solar-Log website which has been offered since 2006. It is also known as www.SolarLog-home.eu. To use this older system, please enter <http://setup.solar-fox.de> in your web browser.

2) Solar-Log™ WEB Classic 2:

Log in to: <http://home.SolarLog-web.eu/> with your user name and password. This takes you to your PV system automatically. Click on “Configuration”, in the left navigation menu. Fill out all required information and click on “Apply”. Scroll down and click below the Solarfox® logo on „Register now“. You will be redirected to the Solarfox® registration form. This creates a data interface to your Solar-Log. Fill in all required fields and click on submit. Your data will be approved by the Solarfox® support team.

3) Solar-Log™ WEB Commercial:

To connect a Solarfox® S8 display to Solar-Log™ WEB Commercial, please create a new module in Solar-Log WEB. At “Pages” you can find a module with the name “Solarfox®”. Select the Solar-Log™ (data logger) and enter a password. Activate the checkbox “module visible“. Save all Settings and edit the module, again click the Solarfox® logo. You will be redirected to the Solarfox® registration form. This is an automatic data interface which connects the Solarfox® display to your Solar-Log™. Fill in all required fields on the form and click on submit.

4) Other sources:

If you are uploading your Solar-Log™ monitoring data to your own web page or your own FTP account, you can also access this data with the Solarfox® system. Please use the Solarfox® registration form (<http://setup.solar-fox.de>) and enter the link / data source.

Please note - online registration:

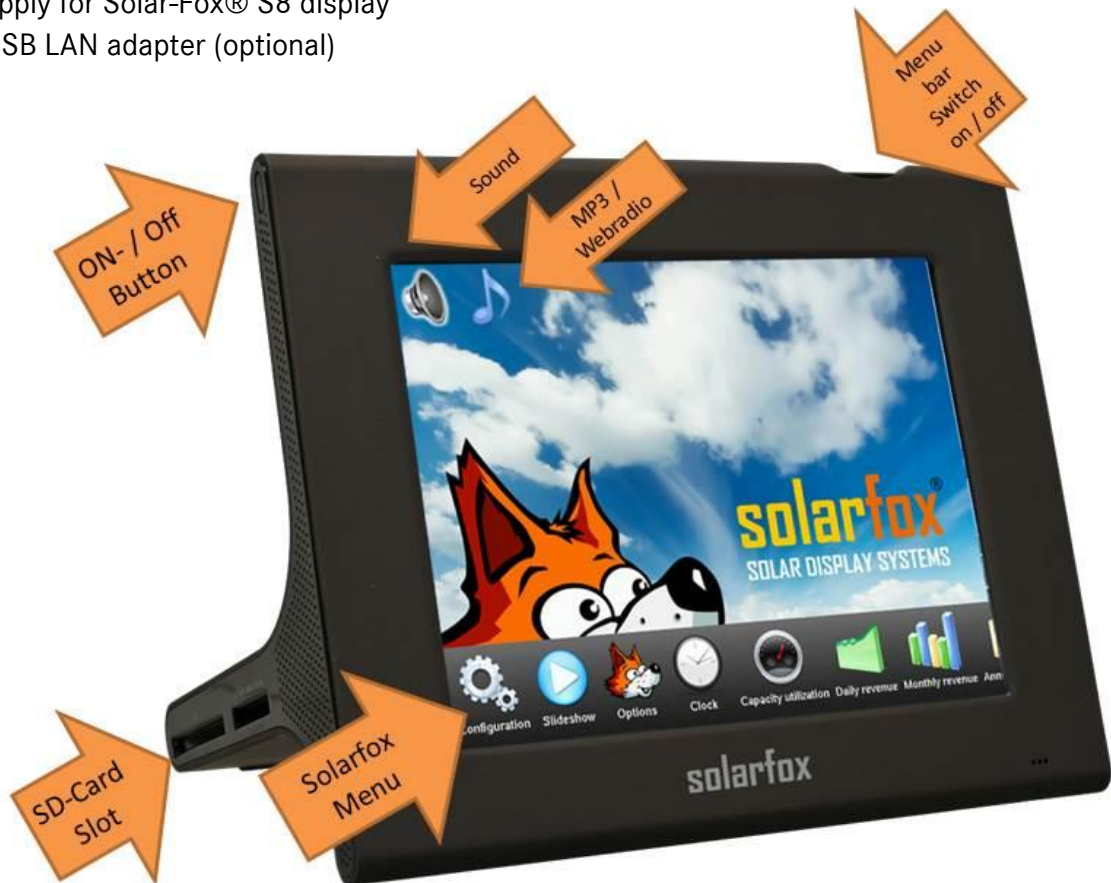
Detailed information on initial operation can be found at: <http://setup.solar-fox.de>

IMPORTANT: Data retrieval requires an active Internet connection and data logger.

Page Contents

The Solarfox® S8 display system contains:

- Solarfox® S8 display
- Power supply for Solar-Fox® S8 display
- RJ-45 – USB LAN adapter (optional)



II. Display Installation

1. Selecting the display location

When choosing a place for your S8 display system, take care that a power outlet and a good WiFi (WLAN) access are available.



The SOLARFOX® S8 will start automatically, when connected to power. The Solarfox® logo will appear and the boot sequence usually takes 1 to 2 minutes. Please do not disconnect the system from power when booting is in process. If the display does not show the Solarfox® logo, switch on the display using the ON- OFF button on the top of the display.

2. Start des Solarfox® S8 Touch Displays

The Solarfox® logo is displayed along with the navigation menu. The navigation menu can be opened and closed by pressing the button on top of the housing. The navigations menu can be scrolled left and right to view all options.

2.1. Select your language

Once the logo is displayed choose the Configuration icon in the navigations menu to configure your system. Choose your desired language.

Welcome to the Solarfox Setup Wizard

Please choose your language:

English

Deutsch (German)

Français (French)

2.2. Setup-Wizard

Choose the “Launch Setup Wizard”. The Setup Wizard will guide you step by step through the configuration process. Please do not disconnect the display during the setup process!

Main Menu

How would you like to proceed?

Launch Setup Wizard

Show current settings

Start diagnostics

Advanced settings

back

2.3. Internet connection

WiFi (WLAN) (Ethernet) SOLARFOX® S8 supports WLAN/WIFI.

Step 1 of 9 (configure a WiFi/WLAN network)

Search for WiFi/WLAN networks available, which will be shown in a list. The overview of networks available will also show you, if the particular network is encoded. In that case you will see the type of encoding, e.g. WPA2. If you are unsure about the WPA password of your WLAN network, you will usually find it printed on the bottom of your WiFi/WLAN router. Signal strength of your network will be shown as a percentage. Attention: To secure trouble-free operation of your display, WiFi/WLAN signal strength should be at least 40%. Once you have selected your WiFi / WLAN network press “continue”.

Configure Wireless LAN-network

How would you like to proceed?

Search WiFi networks

Enter WiFi data manually (SSID)

back

Step 2 of 9 (manual WiFi/WLAN configuration)

Please note: You will have to take this step only, if you want to enter the network settings manually! If your WLAN network is hidden, you can enter a SSID manually. To do this, choose “Enter WiFi/WLAN ID manually (SSID)”. Please take care for correct spelling and the use of small and capital letters.

Please enter your WiFi-password

Please insert your individual network settings here

WiFi (SSID):

WPA / WPA2 Key:

back

continue

Step 3 of 9 (enter WiFi/WLAN password)

For encoded networks a WLAN password is required. Please use the correct spelling! Press “continue”.

Step 4 of 9 (network configuration)

Please enter the network settings that are required to provide the Solarfox® Display with internet access. Generally the network settings can be obtained automatically (DHCP). This means, your network is ready to connect the display to the internet automatically. You may also enter your network settings manually. If you chose to automatically obtain the network data please go directly to step 6 now, skipping step 5.

Network-Settings

Please adjust your internet settings

Configure Network-settings automatically (DHCP)

Configure Network-settings manually

back

Step 5 of 9 (manual network configuration)

Please note: You will have to take this step only, if you want to enter the network settings manually! Please enter the required data. Ask your network- administrator for help, if you don't know the required data.

Hilfsweise können Sie die Daten in die nachfolgende Tabelle eintragen:

IP-Adresse	
Subnetzmaske	
Standard Gateway (IP-Adresse des Routers)	
DNS-Server	

IP-Adresse: Bitte geben Sie nun die IP-Adresse des SOLARFOX® Computers ein, die für diesen in Ihrem Netzwerk vorgesehen ist. Beachten Sie bitte, dass diese IP-Adresse noch nicht im Netzwerk vorhanden sein darf. Wechseln Sie mit den Pfeiltasten zum nächsten Eingabefeld.

Netzwerk Einstellungen (Benutzerdefiniert)

Bitte geben Sie hier Ihre individuelle Netzwerkkonfiguration ein

IP-Adresse:	192.168.25.43
Subnetzmaske:	255.255.255.0
Standard Gateway:	192.168.25.1
DNS Server:	192.168.25.2
<input type="button" value="zurück"/> <input type="button" value="fortfahren"/>	

Subnetzmaske: Geben Sie nun bitte die Netzmaske ein. Diese lautet standardmäßig 255.255.255.0, kann aber von Netzwerk zu Netzwerk unterschiedlich sein. Falls Sie es nicht genau wissen, schauen Sie in einem PC nach, der in dem Netzwerk angeschlossen ist oder fragen Sie Ihren Administrator. Wechseln Sie mit den Pfeiltasten zum nächsten Eingabefeld.

Standard Gateway: Bitte geben Sie nun die IP-Adresse des Standard Gateways ein. Dabei handelt es sich in der Regel um die IP-Adresse des Routers. Wechseln Sie mit den Pfeiltasten zum nächsten Eingabefeld.

DNS-Server: Geben Sie bitte die IP-Adresse des DNS-Servers ein. Diese ist häufig ebenfalls die IP-Adresse des Routers, es können jedoch Abweichungen möglich sein.

2.4. Advanced options

Proxy-server: If you use a proxy then you can configure it here. This is normally only in a company network.

Firmwareupdate: When a new firmware version is available the Display software can be updated over the Internet.

Note! The Display cannot be shut-off or disconnected from the internet as long as the firmware update is running!

Step 6 of 9 (Solarfox® account data / user data)

User name: Please enter your Solarfox® user name. If you don't have a user name yet, please register your display now at: <http://setup.solar-fox.de>. You will receive your user name and password via email after registering online.

Password: Now enter your Solarfox® password. Press “continue”.

Solarfox Account-Data

Please insert your user data here

Username:	<input type="text"/>
Password:	<input type="password"/>
<input type="button" value="back"/>	<input type="button" value="continue"/>

Step 7 of 9 (Network Settings)

Please check all settings you have made. To do this, you are shown all data at a glance. You will also find the MAC address of the Solarfox® S8 which you possibly need for your network or firewall settings.

Press “continue” if all settings are correct, otherwise choose “back” to change your settings.

Check Settings

Please check if the settings are correct

Network Information MAC: []

Connection: Wifi
 Wifi Settings: SSID: NEXUS / Key: 1984steinmetz
 IP-Adress: 192.168.25.17
 Subnetmask: 255.255.255.0
 Standard Gateway: 192.168.1.1
 DNS Server: 192.168.1.1

Solarfox Account:

Username: solarfox-s8
 Password: cupy24v

Step 8 of 9 (connection test)

In the connection test the Solarfox® S8 software will check for possible problems with your internet connection. If a failure is detected, a red notice will appear in the list. In that case please consult the Solar-fox FAQ section to find a solution for the problem. Further information can be found at: <http://www.solar-fox.de> → INFO → FAQ

Connection Test

Status: Finished

1. Selected connection: WLAN (signal quality: 95%, data rate: 54 MBit)
2. DNS Lookup succeeded
3. pingtest: Reliability = 90%, responsetime: 16 ms
4. downloadtest: Succeeded in 0 ms
5. Network connection established
6. Username and Password correct

Step 9 of 9 (setup completion)

Setup is now complete. Now your display is ready for use. The next step is to configure the slideshow to fit your requirements. See Section III (Options configuration).

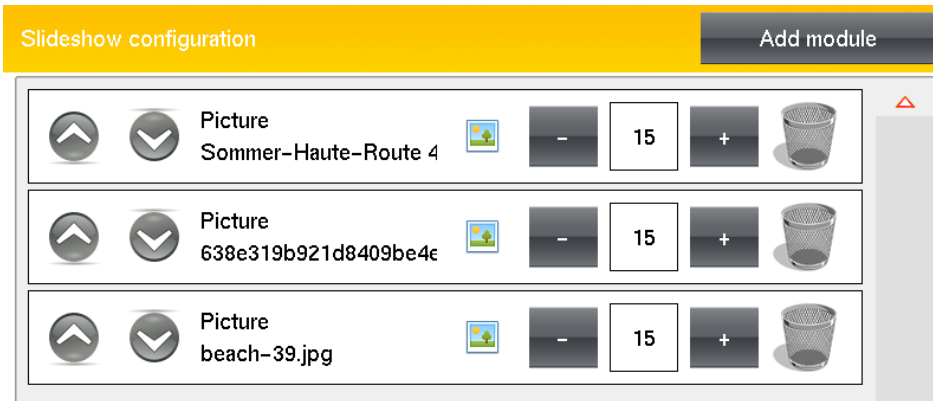
III. Options configuration

1. Navigation Menu Overview

	Configuration	Start-up configuration
	Slideshow (Start)	Slideshow start
	Options	Slideshow, S0 data connection, Timer and Weather configurations
	Clock	Clock start
	Weather	Weather location configuration
	Capacity Utilization	The current load utilization % of your facility/plant.
	Daily Revenue	Daily produced Revenue
	Monthly Revenue	Monthly produced Revenue
	Annual Revenue	Yearly produced Revenue
	Daily Balance	Daily production and consumption comparison
	Monthly Balance	Monthly production and consumption comparison
	Annual Balance	Yearly production and consumption comparison
	Daily Consumption	Daily Consumption Levels
	Monthly Consumption	Monthly Consumption Levels
	Annual Consumption	Yearly Consumption Levels

2. Slideshow configuration:

In the delivery status the Slideshow must be configured to present your PV data. Click on “Add Module to edit and add your desired module (s) to the slideshow.



Arrow buttons on the left side of the screen: Used to change the order of the slide within the presentation.

Slide name:

Definition of slide content.



Picture select button: Pictures, logos and/or advertisements can be accessed from a USB-stick.

Insert an USB stick into the back of the unit and then press the “Picture select” button. Choose the desired image using the “next” or “previous” buttons then choose “close”. The image will be automatically uploaded to the slide where you pressed the “picture” button. Full screen images need to have a resolution of 800 x 600 pixels.



Slide duration (counted in seconds): Using the – or + buttons the duration of the individual slide can be lengthened or shortened.



Slide delete: Unwanted slides can be removed from the presentation. Deleted slides are stored in the memory and can be recalled with the “Add module” tab in the top right of the screen.

3. Standby-Funktion

The standard on/off times are 07:00 & 21:00 (7am & 9 pm). These times can be changed to whatever times you would like. Simply touch the time and day that you would like to change and then choose the new hour or minutes.

Day	Wake up time	Standby time
Monday	7 : 00	21 : 00
Tuesday	7 : 00	21 : 00
Wednesday	7 : 00	21 : 00
Thursday	7 : 00	21 : 00
Friday	7 : 00	21 : 00
Saturday	7 : 00	21 : 00
Sunday	7 : 00	21 : 00

Show clock in standby mode

4. Weather Display Configuration

Touch the buttons and enter the correct data for your location.

Country:	Deutschland
Postal code:	63571
City:	Gelnhausen

5. Audio & Music configuration



Sound Controls: Volume and loudness controls for all audio sounds. Touch one of the slider controls to adjust the volume.

Mediaplayer: Use this slider to configure the volume of playback music.

Notifications: System volume control for Touchscreen buttons.

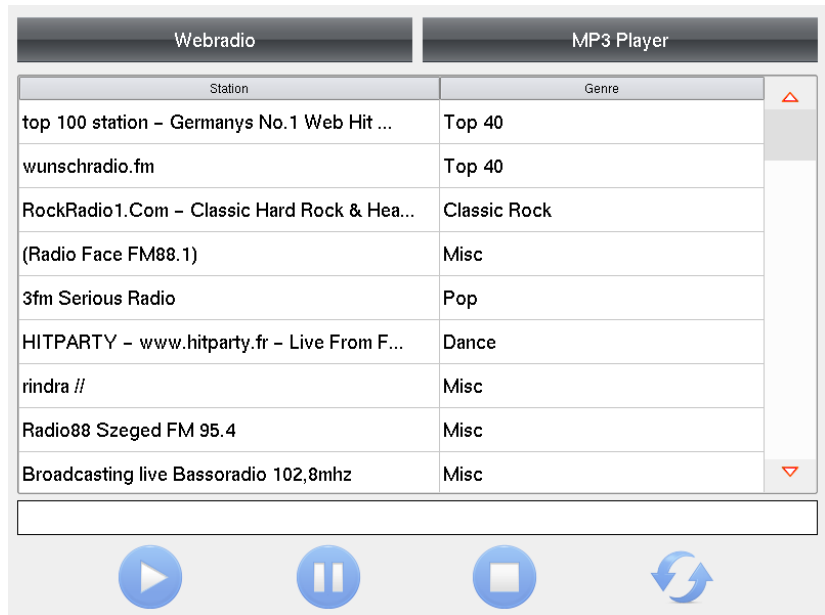
Back-ground Sounds: Volume control for back-ground sounds.

Mediaplayer	<input type="range"/>
Benachrichtigung	<input type="range"/>
Hintergrundmusik	<input type="checkbox"/> Autostart <input type="range"/>

The stop/play control turns off or starts the back-ground sounds.

6. Media-Player

Webradio and MP3 Player configuration. Simply choose a webradio site from the list or click on MP3 Player to play a song from a USB stick and then press play.



7. Power Consumption

If you would like to activate or de-activate the power consumption slide in the presentation just follow the the folowwing steps:

In the navigations Menu select “Options”

Then select “Consumption Overview” (green for on) or (red for off)

To view the power consumption of your facility you need a Power-meter with a pulse-trigger that feeds into the data-logger over a S0-bus cable from the PV facility..

Contact your data-logger supplier for further details.

When the S0-bus information is available the S8 “Consumption Overview” can be activated to present the power consumption of your building and compare it to power generated from the PV facility.

8. FAQ

There is a list of frequently asked questions (FAQ) on www.solar-fox.com, which is regularly updated.

9. Personal notes

Use the following area to keep track of your S8 information.

Solarfox S8 Serial Number:	
Solarfox S8 User name:	
Solarox Password:	

SOLARFOX® Solar Display Systems
SOLEDOS GmbH, Karl-Groß-Str. 3, D-63584 Gründau, Germany

Technical Support:
Tel. +49 (0) 60 58 – 91 63 8 -10

E-Mail: support@solar-fox.com
Web: www.solar-fox.com/support