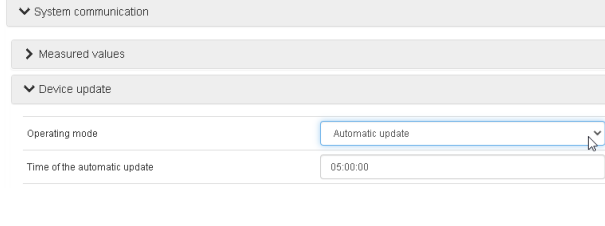
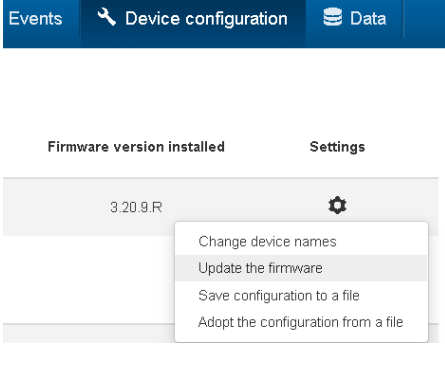
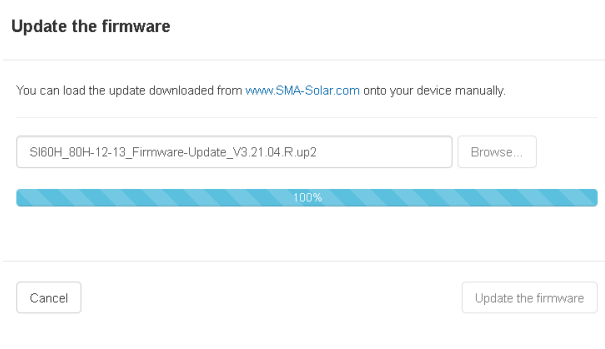


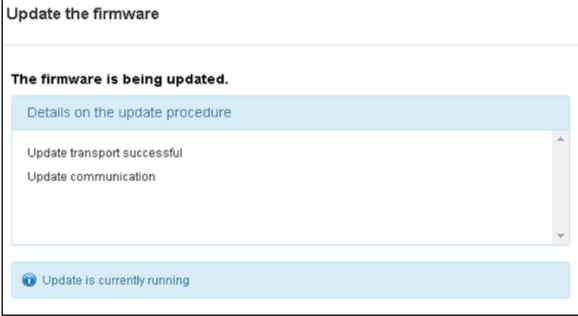
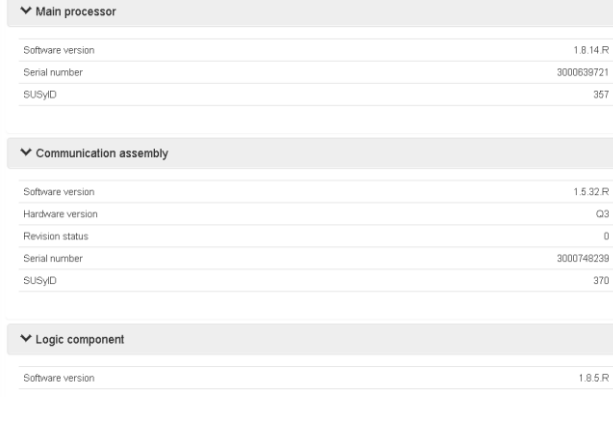


Notes Firmware-Update

a.) Update of a single system with one Sunny Island (time: approx.15 minutes)

Procedure	Notes
1. Access to the web user interface (WEBUI) of the Sunny Island, direct via LAN or via network-router, where the Sunny Island is connected.	IP-adress for LAN: 169.254.12.3 IP-adress for WLAN: 192.168.12.3 IP-adress for router: DHCP from network-router
2. Login with your installer password.	Current password or set new password
3. Set the parameter „Operating mode“ to „Automatic update“ before start the update. → Menu item “Device parameters”	
4. Upload the firmware-file on your device.	Download www.sma.de/downloads
5. Start the update-process within menu item “Device Configuration” and select “Update the firmware”.	
6. Click “Browse” to select the firmware update file. Afterwards click "Update the firmware".*	



<p>7. When the upload is done, WEBUI shows a 100% status bar. Menu item "Events" includes "file upload successful".</p> <p>Now, the firmware update is running.</p>	
<p>8. Login to the Sunny Island (WEBUI) again.</p>	<p>Communication assembly and web user interface get the update first. Therefore, the connection to the Sunny Island is interrupted.</p>
<p>9. After the update, check the firmware versions of the components: main processor, communication assembly and logic component. The firmware versions must conform to the ReadMe file.</p>	

* If the firmware upload is not successful after several tries:

Please disconnect the system via the "O"-Button at the Sunny Island and disconnect the battery voltage from Sunny Island.

Discharge the system and press the "I"-Button at Sunny Island.

LED´s will light up for a short moment and turn off. Afterwards connect the battery voltage to the Sunny Island.

Start the system and try again the firmware upload-process.



b.) Update of a Cluster-system (duration: approx. 30 minutes)

Procedure	Notes																											
<p>1. Please proceed like the update of a single-system (description above).</p>	<p>Install the firmware-update file only at the master-device.</p> <p>The master-device will update the slave-devices as soon as the cluster is running.</p>																											
<p>2. During the slave`s update-process the WebUI will show IPC errors.</p> <p>These errors can be shown up to 15 minutes. Please wait and do not start any other actions e.g. new firmware updates.</p> <p>When the slaves are ready updated the IPC failures are marked with a green arrow.</p>	<table border="1"> <tr><td>→</td><td>7601</td><td>Communication fault IPC</td></tr> <tr><td>→</td><td>7601</td><td>Communication fault IPC</td></tr> <tr><td>→</td><td>7601</td><td>Communication fault IPC</td></tr> <tr><td>→</td><td>7601</td><td>Communication fault IPC</td></tr> <tr><td>→</td><td>7345</td><td>Master starts firmware update of cluster</td></tr> <tr><td>→</td><td>10114</td><td>The device has been reset to the factory setting</td></tr> <tr><td>→</td><td>10426</td><td>Multifunction relay 1 of device at L1 is On</td></tr> <tr><td>→</td><td>7345</td><td>Master starts firmware update of cluster</td></tr> <tr><td>→</td><td>10114</td><td>The device has been reset to the factory setting</td></tr> </table>	→	7601	Communication fault IPC	→	7601	Communication fault IPC	→	7601	Communication fault IPC	→	7601	Communication fault IPC	→	7345	Master starts firmware update of cluster	→	10114	The device has been reset to the factory setting	→	10426	Multifunction relay 1 of device at L1 is On	→	7345	Master starts firmware update of cluster	→	10114	The device has been reset to the factory setting
→	7601	Communication fault IPC																										
→	7601	Communication fault IPC																										
→	7601	Communication fault IPC																										
→	7601	Communication fault IPC																										
→	7345	Master starts firmware update of cluster																										
→	10114	The device has been reset to the factory setting																										
→	10426	Multifunction relay 1 of device at L1 is On																										
→	7345	Master starts firmware update of cluster																										
→	10114	The device has been reset to the factory setting																										
	<p>The slave-devices will be updated only by software for "main processor" and "logic component". The "WEBUI" and "communication assembly" will not have an update by the master-device, it is also not required.</p>																											

c.) Special notes regarding update from firmware version 1.x to 3.x

Please notice after a firmware update from version 1.x to version 3.x: All parameters will have a factory reset. That means all individual adjustments get lost. Therefore, a new system configuration is necessary.

In a cluster system a new system configuration will realize all available slave-devices.

When the update of the master-device is ready and a new system configuration (via installation assistant) is done, the update-process of the slaves begins automatically.

During the slave`s update-process the WebUI will show IPC errors. These errors can be shown up to 15 minutes. Please wait and do not start any other actions e.g. new firmware updates.

When the slaves are ready updated the IPC failures are marked with a green arrow.

Procedure	Notes
<ol style="list-style-type: none"> Please proceed like the update of a single-system (description above). When the update is done, start the system and do a new system configuration via installation assistant. 	