

# AEG

## AEG WIFI200 REMOTE MONITORING QUICK SETUP GUIDE

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## AEG WIFI STICK REMOTE MONITORING QUICK SETUP GUIDE

Product series: AEG WiFi200 / AEG WiFi Stick

Thank you for choosing the reliability of AEG grid-tied solar inverters!

This installation manual is intended for dealers and installers involved in the planning, installation and commissioning of photovoltaic systems deploying AEG solar inverters. These instructions are meant to provide you with valuable information to ensure that the installation of the components runs smoothly.

The AEG WiFi200 communication module (hereinafter referred to as “WiFi Stick”) is a device which enables the transmission of relevant performance data from your AEG inverter to the monitoring software (AEG InverterControl App and AEG InverterControl Monitoring Webportal).

The AEG WiFi Stick is used (at the time of writing) with mono-phase inverters of the series AS-IR01 and AS-IR01-2, and with three-phase inverters of the series AS-IC01 and AS-IC01-2. The AEG WiFi Stick can only be installed by qualified professional companies.

Please observe the standards and regulations applying to photovoltaic systems in the relevant countries, as well as the rules of the employers’ liability insurance associations for accident protection. Failure to comply with these can result in major injuries and damage.


--- This guide is meant to provide a reference for setting up the AEG WiFi Stick in Remote monitoring modus with the help of the AEG InverterControl App ----

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## 1. Safety Precautions

Please comply with the following precautions to prevent physical injury and product damage.

	<p>Only qualified electricians are allowed to install the AEG WiFi Stick.</p> <p>Do not store, place or install the AEG WiFi Stick on or close to combustible materials.</p> <p>The installation site and equipment should not be publicly accessible nor accessible to children.</p> <p>Remove metal accessories such as rings or bracelets before installation and electrical connection of the components to avoid electric shock.</p> <p>Ensure reliable connection between the AEG WiFi Stick and the inverter</p>
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## 2. Unpacking

Double-check the order information and the product nameplate to ensure the consistency of the order.

	<p>Please keep the packaging of your AEG WiFi Stick, especially the cardboard box. On the box you will relevant information such as the Serial Number and the Product Key which are needed for completing specific configuration processes as explained in 4.2 “Configuring of the AEG WiFi Stick”. Alternatively, you will find the information also on the product itself.</p>
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## 3. Installation and Configuration of AEG WiFi Stick

### 3.1 Product looks and fitting position



Figure 1: AEG WiFi200 looks

The AEG WiFi Stick should be fastened to the RS485 port of your AEG solar inverter.

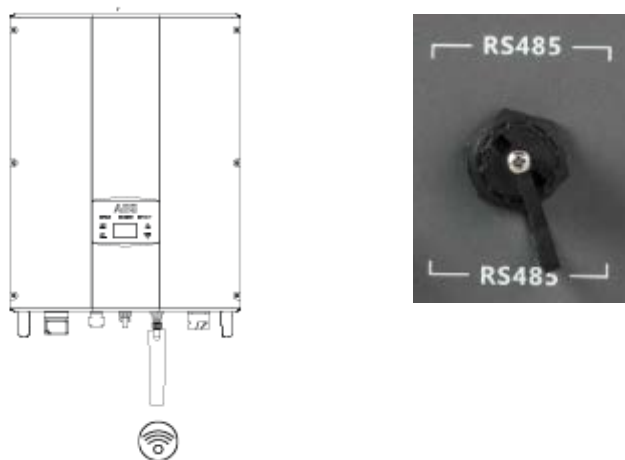


Figure 2: Example of AEG WiFi Stick connected to an AEG inverter

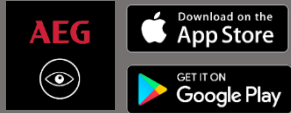
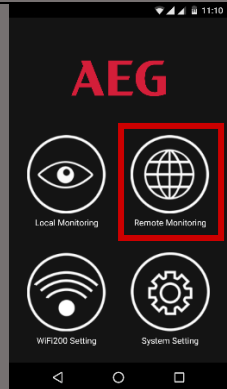
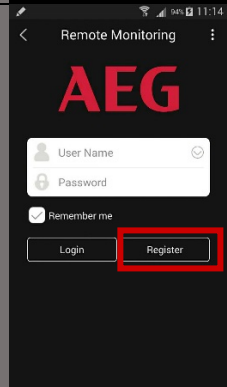
### 3.2 Installing the AEG WiFi Stick

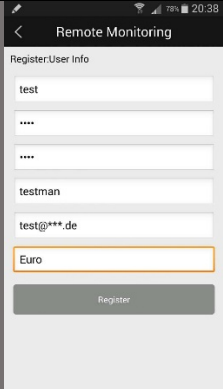

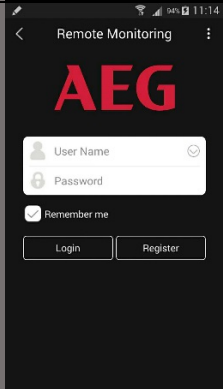
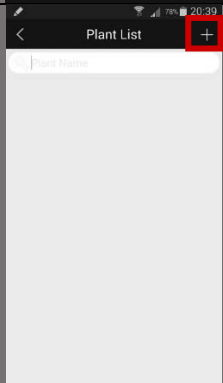
1. Complete the installation of your AEG inverter in the selected place. Connect the DC input and switch on the inverter without the AC grid (AC disconnect/switch off)
2. Fasten up the AEG WiFi Stick to the RS 485 communication port of your inverter.
3. Wait until the hotspot "AEG WiFi" can be found. You will be able to check if the AEG hotspot was successfully set up by checking on your mobile phone or on your PC phone the available wireless networks.
4. Configure the WiFi Stick.

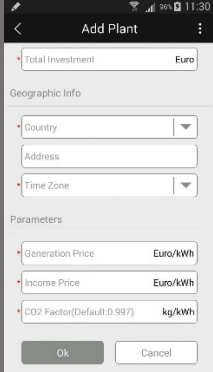
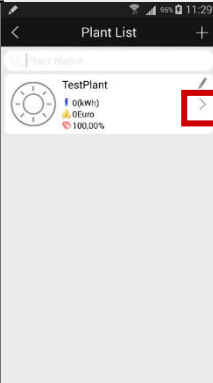
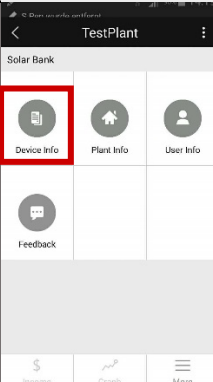
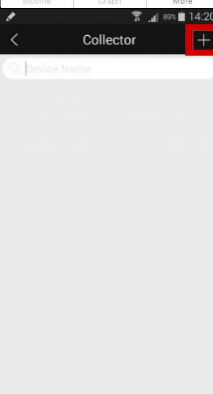

## 4. Configuring the AEG WiFi Stick for Remote Monitoring

Before starting with the Remote Monitoring configuration of the AEG WiFi Stick, you will need to register a Remote Monitoring Account via the AEG InverterControl App first.

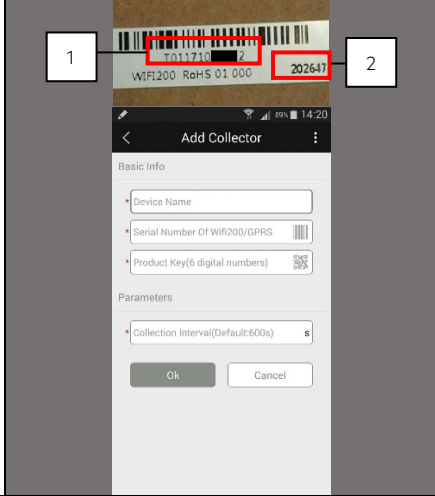

### 4.1 Registering a Remote Monitoring Account via the AEG InverterControl App

1	On your mobile phone, download the AEG InverterControl App from the App Store / Google Play (look for “AEG InverterControl” in the App Store/Google Play application on your mobile) and launch it	
2	Select “Remote Monitoring” in the AEG InverterControl app	
3	You will be prompted to the Login and Registration page. Click on the Register button.	

<p>4</p>	<p>Please make sure you select a User Name without special characters / blank spaces. Confirm the information and finalize the registration.</p>	
<p>5</p>	<p>Return back to top interface of the App Select "Remote Monitoring".</p>	
<p>6</p>	<p>Login with your Remote Monitoring Account.</p>	
<p>7</p>	<p>Click "+" to add a new plant.</p>	

<p>8</p>	<p>Fill in the required data and confirm with “OK”</p>	
<p>9</p>	<p>Now add the AEG WiFi Stick: select your plant and click on the Plant or “➤”</p>	
<p>10</p>	<p>Click on “Device Info”</p>	
<p>11</p>	<p>Click on Collector “+” to add a WiFi Stick</p>	
<p>12</p>	<p>Input the Name of the WiFi Stick (you can choose one arbitrarily), along with its Serial Number and Product Key which you will find on the product packaging (and/or on the product itself).</p>	

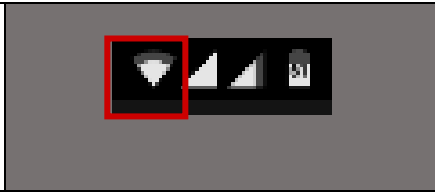
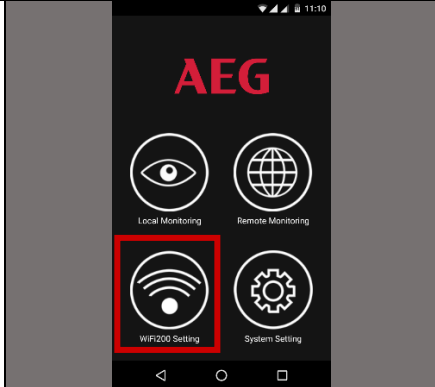


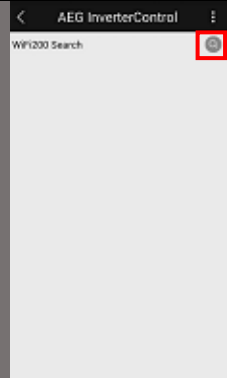

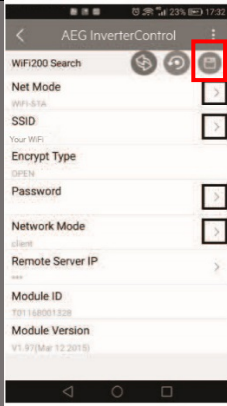
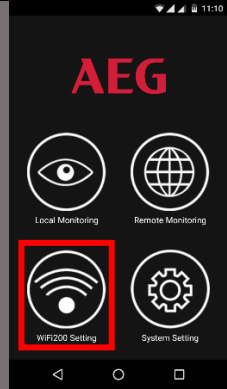
	<p>The Serial Number is the number represented under the bar code (“1” in the picture on the right), while the Product Key is the six-digit number on the right of the label (“2” in the picture on the right). As “Parameters” you can for instance input “600” (the default interval for collection data, equalling to 10 minutes); or for instance “300” (equalling to 5 minutes).</p> <p>When finished, press OK to save the settings.</p>	
<p>13</p>	<p>Refresh the app and you will find the newly added WiFi Stick. If you have more inverters in your plant, you can repeat the previous step to add more WiFi Sticks.</p>	
<p>14</p>	<p>If you have more inverters in one plant, please repeat step 10 to 13 to add the WiFi sticks into the plant</p>	

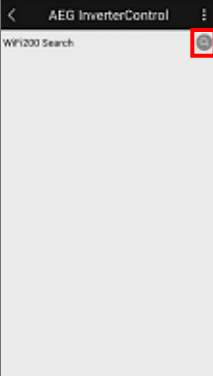

You can now proceed to configure the AEG WiFi Stick for Remote Monitoring.

## 4.2 Configuring the AEG WiFi Stick for Remote Monitoring via the AEG InverterControl App

You can now set the parameters of the WiFi stick for remote monitoring following the below procedure.

<p>1</p>	<p>Enable the WiFi on your mobile phone and connect it to the hotspot “AEG WiFi”.</p>	
<p>2</p>	<p>Launch the AEG InverterControl App. Select “WiFi Settings”</p>	

<p>3</p>	<p>Click the “search” (lens) icon to find the WiFi Stick. Alternatively, click the “+” icon and confirm the IP address.</p>	
<p>4</p>	<p>When the App find the AEG WiFi Stick, click on the WiFi Stick.</p>	
<p>5</p>	<p>Select and set the parameters as indicated here:</p> <p><b>Net Mode:</b> select WIFI-STA  <b>SSID:</b> Select your WiFi Router  <b>Password:</b> Hotspot password of the wireless router.  <b>Network Mode:</b> Select “Client”.</p> <p>Apply the settings by clicking the “Save” button (top right of the App interface). The Hotspot of the WiFi stick “AEG WiFi” will now disappear.</p>	
<p>6</p>	<p>(--- If you wish to double-check if the connection between the WiFi stick and your router works correctly, connect your mobile phone to the wireless network of your router and select “WiFi Setting”. If you can find the WiFi Stick and the corresponding parameters, it means the setting is correct.</p> <p>If the setting is not correct, please reset the WiFi stick and set the parameter again (step 1 to 5 ) ---)</p>	

		
7	Wait for approximately 15 minutes, then launch the AEG InverterControl App again, select “Remote Monitoring” and log in to monitor the performance of your AEG Inverter.	

## 5. Resetting the AEG WiFi Stick

If malfunctioning occurs during operation of the AEG WiFi Stick, or if the settings are not properly adjusted, reset the AEG WiFi Stick by pressing and holding the reset button for 5 seconds.



Reset button:  
press and hold  
for 5 seconds

## 6. How to monitor your AEG inverter

You can monitor your AEG inverter either with Remote Monitoring via mobile or via PC:

REMOTE MONITORING: monitor via the AEG InverterControl App or the AEG InverterControl Webportal ([www.invertercontrol.com](http://www.invertercontrol.com). For the latter option see the dedicated guide “AEG InverterControl Webportal User Manual” under [www.aeg-industrialsolar.de/aeg-inverter-service](http://www.aeg-industrialsolar.de/aeg-inverter-service))

## 7. Contacts

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Germany

Website: [www.aeg-industrialsolar.de](http://www.aeg-industrialsolar.de)

**AEG Inverter Technical Support:**

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