



# ALL3696

Powermeter with 2x induction (1x S0 & 1x D0)



## Quick Installation Guide

# 1. Scope of delivery:

Please check packaging and content for damages:

- Does something indicate transport damage to the packaging?
- Does the case show any traces of usage?

You must never put a damaged device into operation!  
In case of doubt, contact our technical support.

## Packaging content

- ALLNET® ALL3696
- 1x network cable
- Manual
- 1x 50A phase clip



## Safety instructions

Please pay attention to the safety notes:

- o Never open the device.
- o Never perform an installation during a storm.
- o Make sure pipes are laid surefooted.
- o Do not expose the device in use to direct sunlight.
- o Do never use the device near any heat sources.
- o Do never place the device on heat sensitive surfaces.
- o Protect the device from moisture, dust, fluids and vapours.
- o Do never use the device in humidors or explosion-hazard environments.
- o Use dry and smooth antistatic cloth instead of solvent cleaning products for cleaning.
- o Authorized, trained staff may only do repair.
- o In case of unintended use or inappropriate operation ALLNET® is released from all liabilities.

## Positioning and mounting location

Generally:

ALL3696 network socket may only be used in dry indoor areas. Ensure adequate ventilation. After the installation should not result any tension onto the cables (network and connection cables). Tensioned cables can detach.

## 2. Standard values:

|            |               |
|------------|---------------|
| IP address | 192.168.0.100 |
|------------|---------------|

### Reset to factory settings

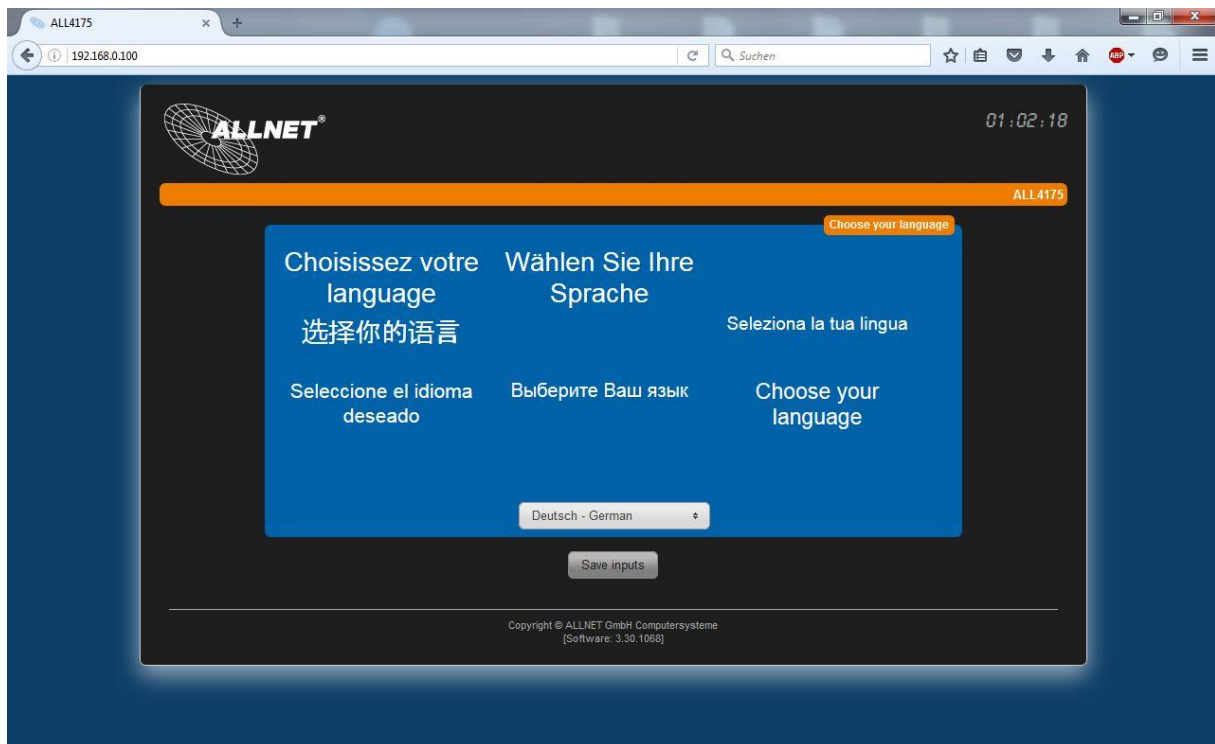
If your ALL3696 is due to incorrect user settings or forgotten password not accessible anymore, you can reset the device to factory settings by performing the following instructions (all settings and values will be lost):

- Disconnect the device from power.
- Press RESET button with a prick out of non-conductive material and keep button pressed
- **(The button needs to be kept pressed!)**
- Connect ALL3696 to power and wait about 45 seconds.
- Release RESET button.

Reset process is completed. All settings are reset to delivery status.

## 3. Adapt ALL3696 to your network

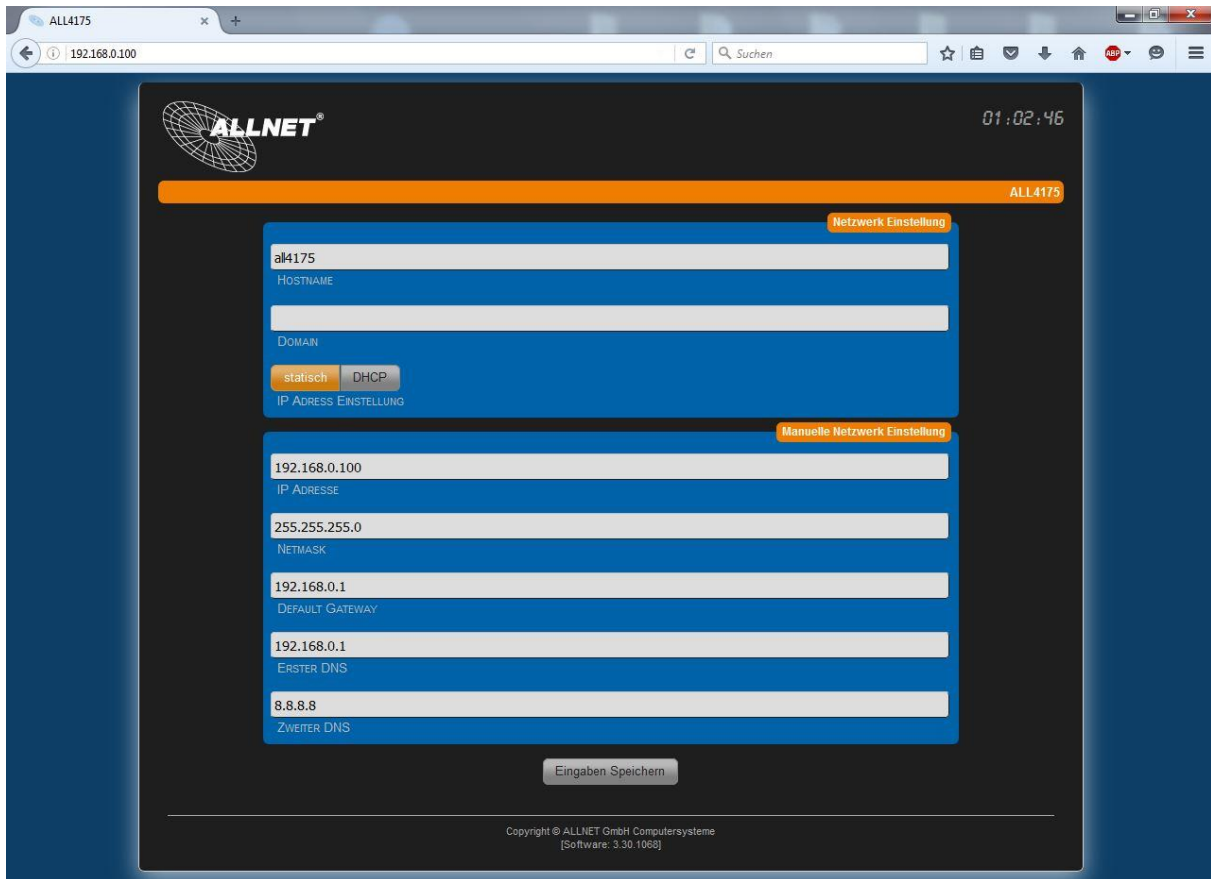
- a. Connect your ALL3696 via the attached LAN cable to the network. Make sure you hear the connectors snap.
- b. ALL3696 communicates with connected components via the TCP/IP protocol. The PC/MAC has to be located in the same network segment as the ALL3696, so the ALL3696 can be recognized by the PC/MAC. The ALL3696 has following IP address by default: 192.168.0.100 - no user name, no password.
- c. Now set the PC/MAC temporary to a free IP address between 192.168.0.1 and 192.168.0.254 (192.168.0.100 is already occupied by the ALL3696). In perfect case you can set a second IP address for this sector with 192.168.0.xxx for your PC network interface.
- d. By typing the address 192.168.0.100 into your web browser, the first page for language settings turns up:



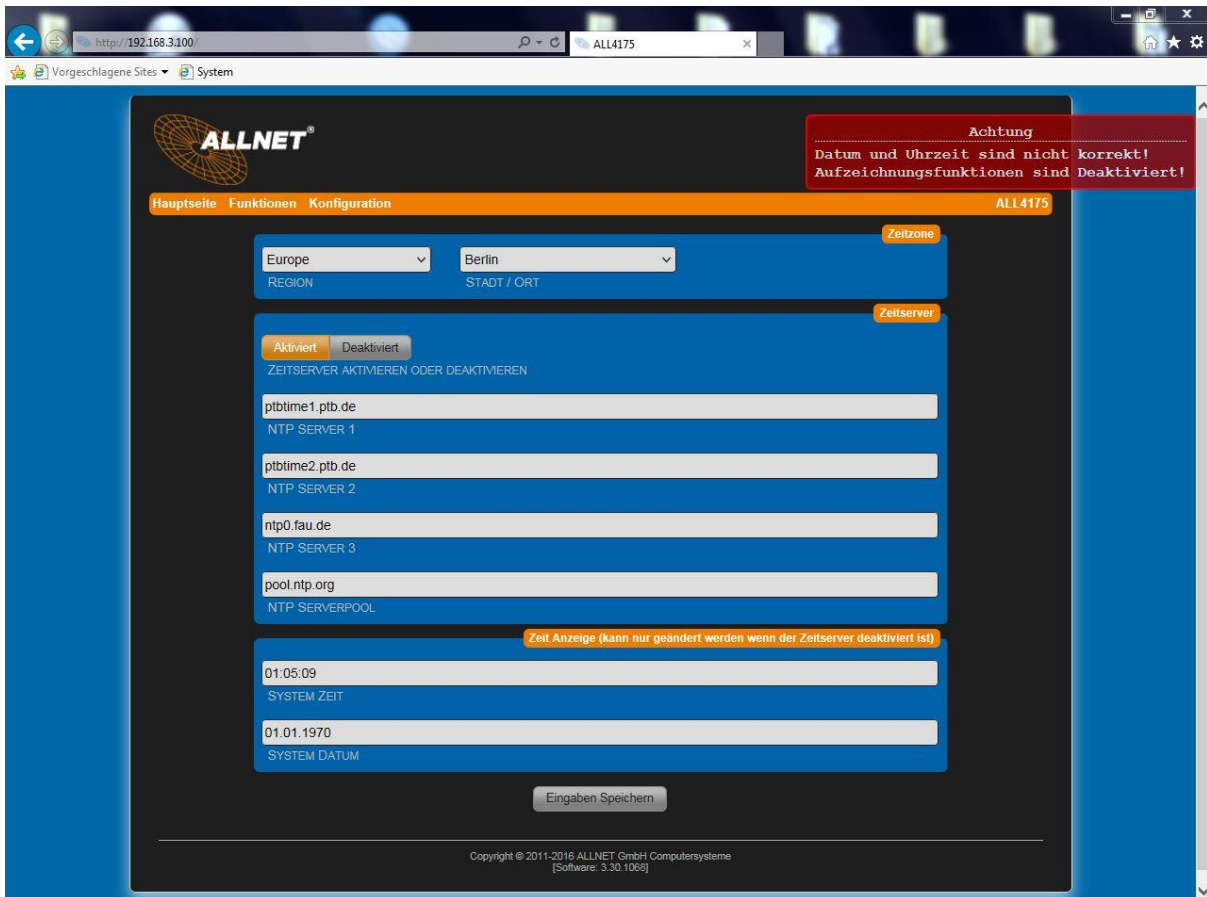
- e. Choose the right language from the dropdown menu and save your settings. The next configurations item appears automatically.
- f. Now you can assign an IP address from your network segment to the ALL3696.

**Statically:** Here IP settings can be defined manually.

**DHCP:** ALL3696 chooses an IP from your router automatically.  
Confirm the settings with "save entries".



- g. The device adopts the settings. This process will take 10 seconds. When done, the page reloads with your defined IP address.
- h. Now, a page with time settings turns up, where you can define an own timeserver, use a listed server or set up the time manually.

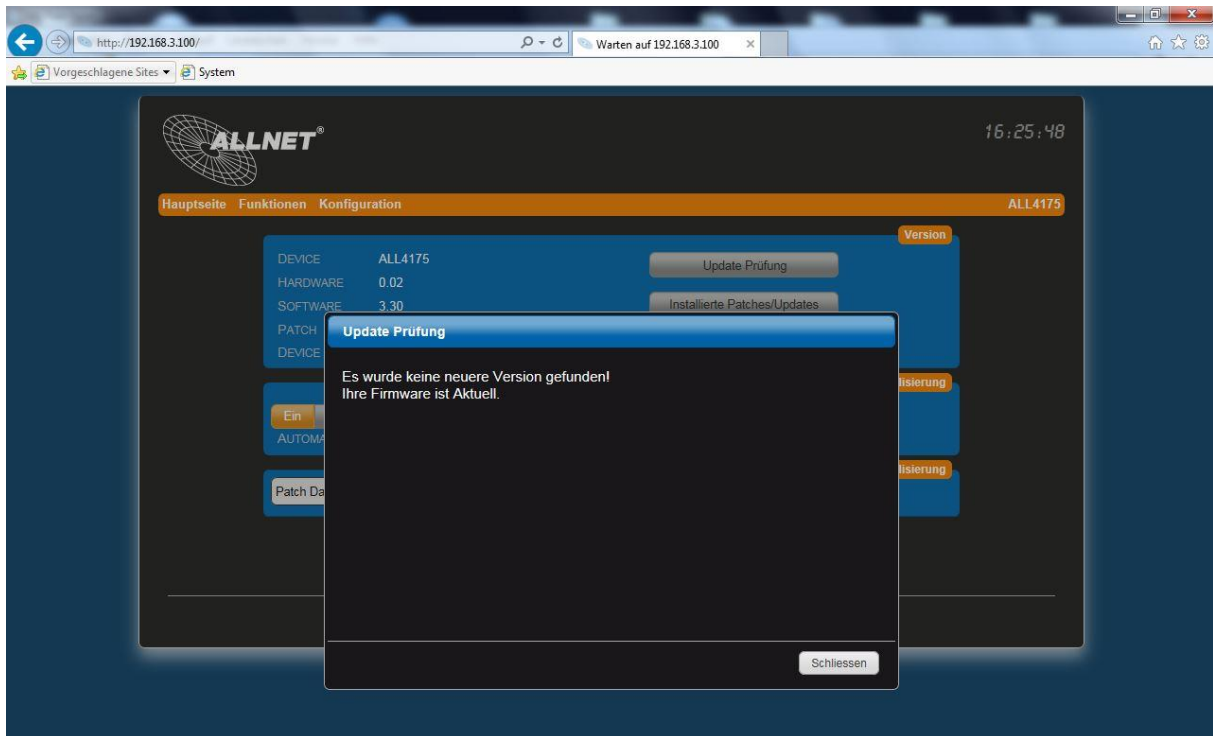


- i. Secure your settings with "save entries".

## 4. Checking for updates

When the IP configuration is done, an update to the latest software version is recommended. The update can be found in "configuration" -> "update settings". By clicking on "Checking for updates" you'll receive one of the following notifications:

- a. No later versions found
- or
- b. Install update



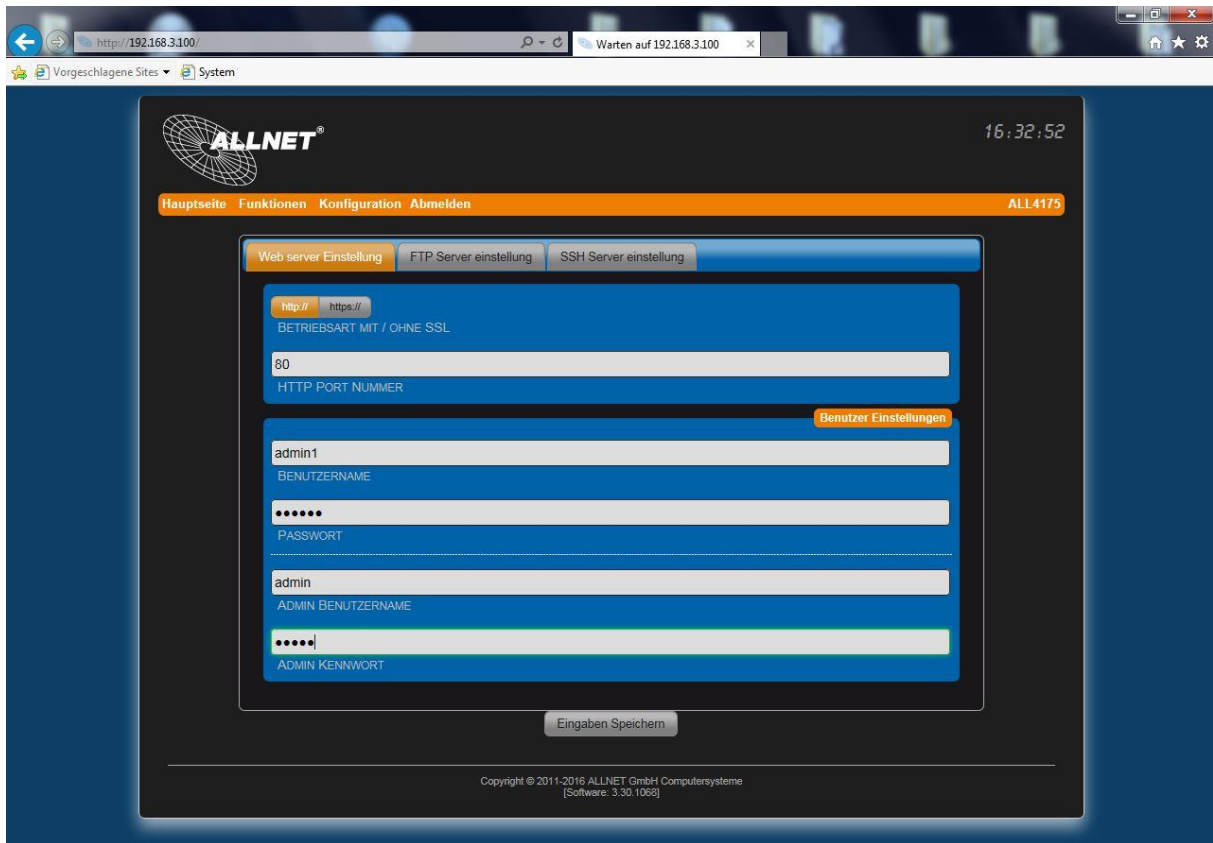
Perform the update check several times until you receive the notification from the picture above.

## 5. Create user

You should configure an Admin account, so that only you have access onto ALL3696's setups.

Choose "configuration" -> "web server and user"

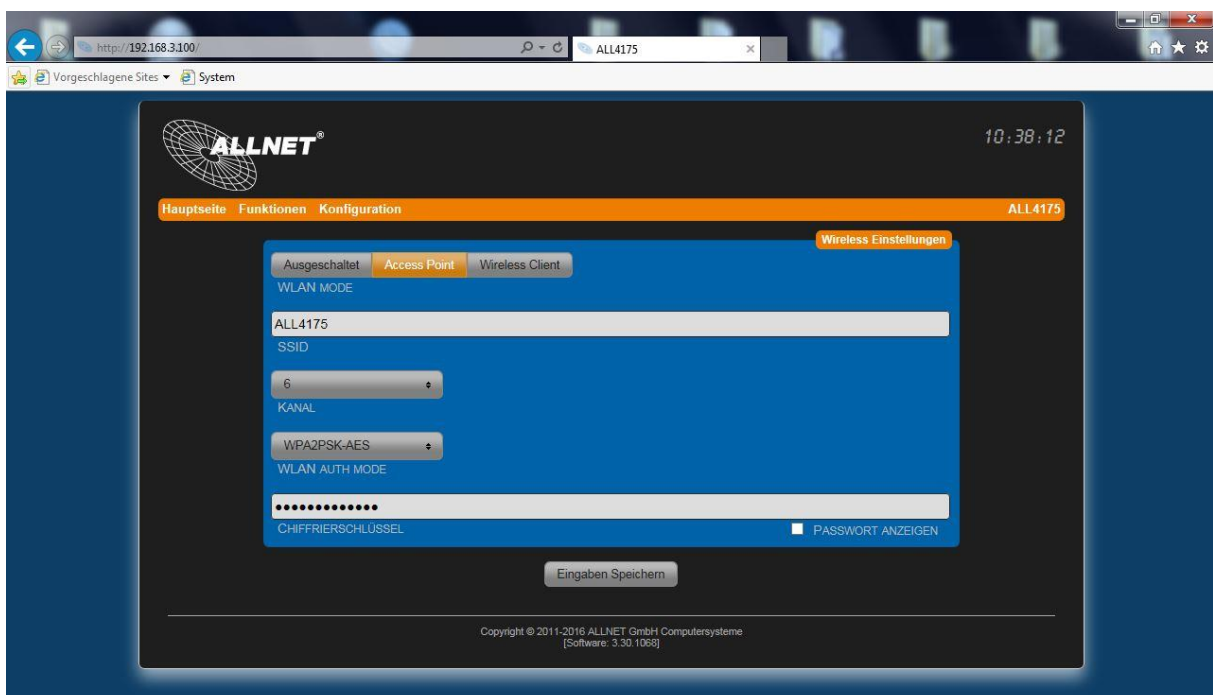
Here you can create an Admin user and a normal user. The Admin user has full access to the web interface, the normal user may only see and operate the main page.



## 6. Access-Point configuration

The ALL3696 can also be configured as an own access point.

In "configuration" -> "Wi-Fi settings" the access point mode can be set up.





**SSID:** Register any desired name for the network here. This name will be shown after scanning for networks.

**Channel:** Choose the transmitting channel here.

**Wi-Fi auth. mode:** Choose encryption mode here. WPA2PSK-AES is recommended.

**Cryptographic key:** Enter an arbitrary password here. The key is inquired by connecting to the ALL3696. Choose a secure password with at least 8 characters.

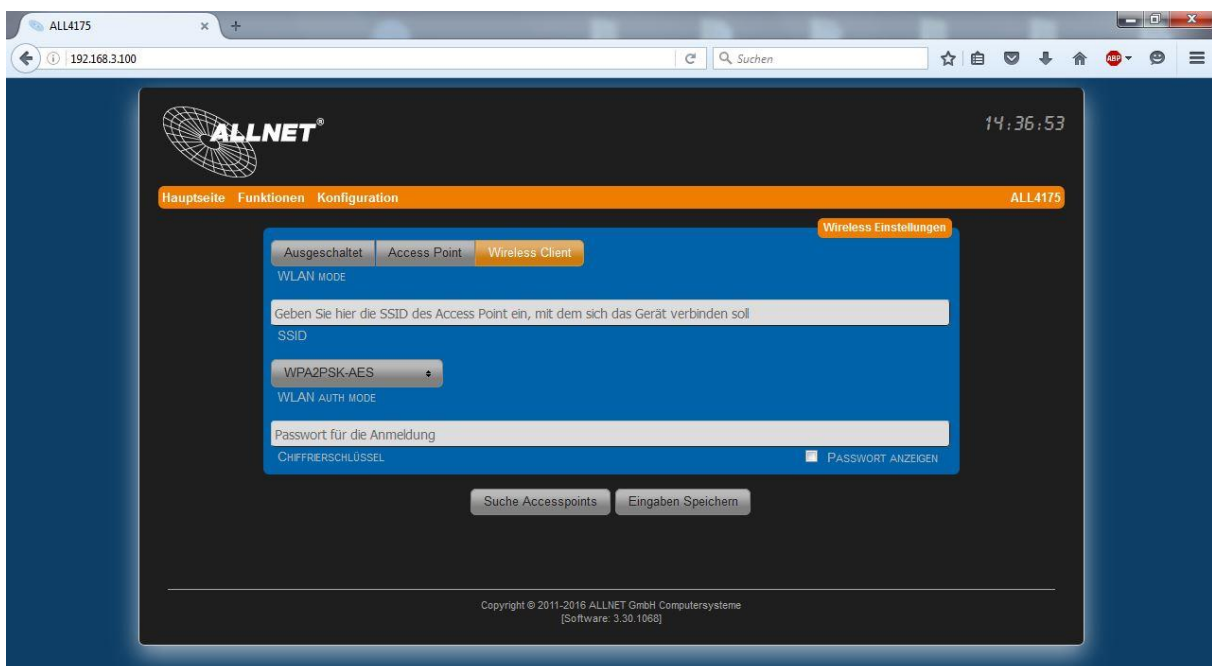
Secure your settings with "save entries".

The entries are confirmed. This process takes 120 seconds.

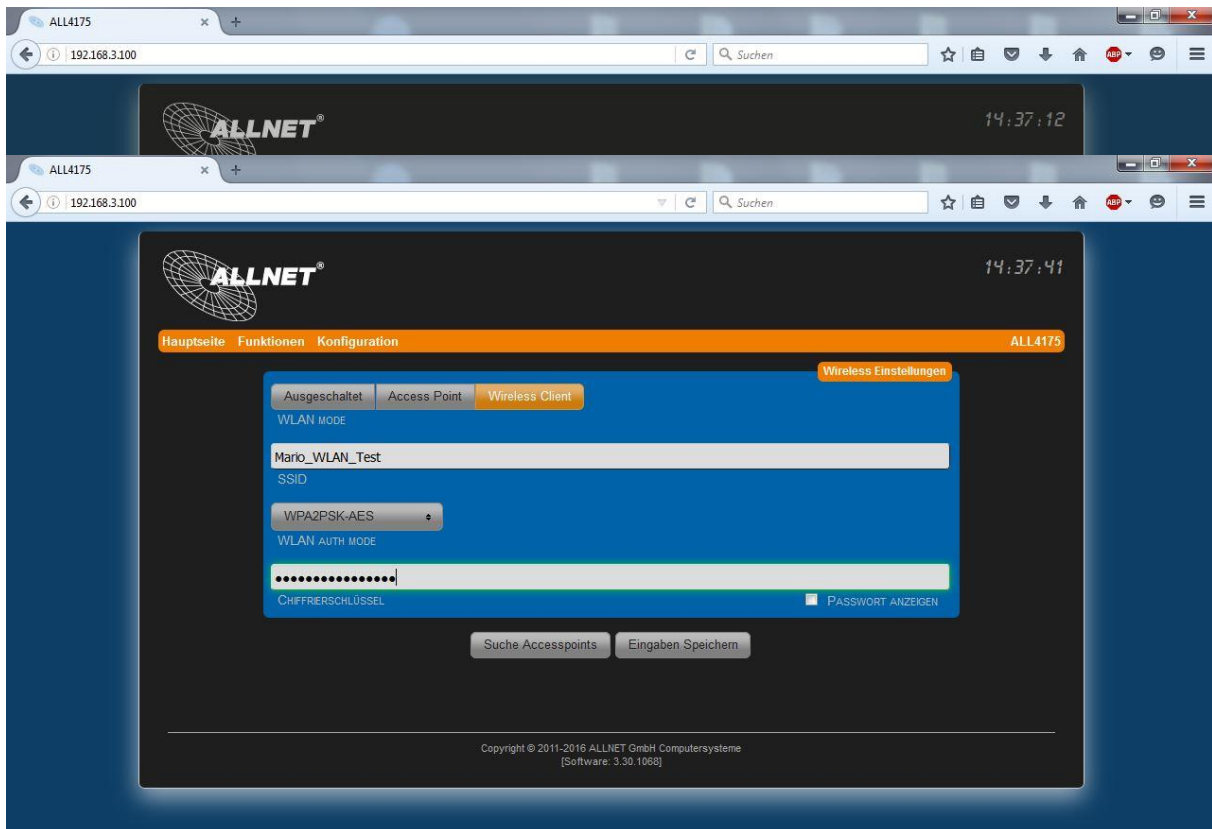
## 7. Wireless-Client configuration

The ALL3696 may also be connected to an existing Wi-Fi network.

In "configuration" -> "Wi-Fi settings" you can set up the Wi-Fi connection.



Choose "Wireless Client" to connect the device to an existing network. Click "search for access points" to find your Wi-Fi network.



All surrounding networks will be displayed. Select your network and confirm by clicking "choose".

"SSID" and "Wi-Fi auth. mode" will be filled automatically. You only need to type in the Wi-Fi key and confirm the settings with "save entries". The device takes all the settings within a duration of 120 seconds.

The ALL3696 can be reached at the registered IP address.

**IMPORTANT: After 120 seconds, disconnect the LAN cable to avoid network conflicts.**

**NOTICE: The Wi-Fi you wish to connect shall not have any space character in its SSID. Otherwise a connection will not be established.**

## 8. Calibrating the transformer

First activate the expert view under Configuration > Device Settings



The transformers must be calibrated. Proceed as follows:

1. Zero point adjustment:
  - Terminal without current in conductor
  - Remember displayed measured value (e.g. 1.234A)



Click on the wrench icon (  ) to edit the sensor.

Click on the „Calculation“ tab and activate the calculation function.

Addition1: enter negative value (in the example -1.234)

Save the settings and the sensor should now read 0.

2. Multiplier Setting:
  - Known current in the conductor (e.g. measured with clamp ammeter)
  - Under Calculation (see above) adjust the value at “Multiplication1” until the displayed value corresponds to the desired value

➤ Repeat these steps for all further phases.

Hereby ALLNET GmbH Computersysteme declares, that the appliance **ALL3696** conforms to fundamental requirements and other relevant terms and conditions of the standard 2014/53/EU. The declaration of conformity can be found here:  
<https://ce.allnet.de/>

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