



ALL3696

Powermeter mit 2x Induktion (1x S0 & 1x D0)



KURZANLEITUNG

1. Lieferumfang:

Bitte prüfen Sie die Verpackung und den Inhalt auf Schäden:

- Deutet an der Verpackung etwas darauf hin, dass beim Transport etwas beschädigt wurde?
- Sind am Gehäuse Gebrauchsspuren zu erkennen?

Sie dürfen das Gerät auf keinen Fall in Betrieb nehmen, wenn es beschädigt ist. Wenden Sie sich im Zweifelsfall an unseren technischen Kundendienst.

Verpackungsinhalt

- ALLNET® ALL3696
- 1x Netzkabel
- Gebrauchsanweisung
- 1x 50A Phasenklemme



Sicherheitshinweise

Beachten Sie unbedingt folgende Hinweise:

- Öffnen Sie niemals das Gerät.
- Führen Sie niemals eine Installation während eines Gewitters durch.
- Stellen Sie sicher, dass Leitungen stolper- und trittsicher verlegt werden.
- Setzen Sie das Gerät im Betrieb niemals direkter Sonneneinstrahlung aus.
- Betreiben Sie das Gerät niemals in der Nähe von Wärmequellen.
- Stellen Sie das Gerät niemals auf Oberflächen, die wärmeempfindlich sind.
- Schützen Sie das Gerät vor Nässe, Staub, Flüssigkeiten und Dämpfen.
- Verwenden Sie das Gerät nicht in Feuchträumen und keinesfalls in explosionsgefährdeten Bereichen.
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Aufstellungs- und Montageort

Allgemein:

Das ALL3696 Powermeter darf nur in trockenen Innenbereichen verwendet werden. Sorgen Sie für ausreichende Belüftung. Der Einbau hat so zu erfolgen, dass die Kabel (Netzkabel und Anschlusskabel) nicht unter Zug sind, da diese sich sonst lösen können.

2. Standardwerte:

IP-Adresse	192.168.0.100
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Zurücksetzen auf Werkseinstellungen

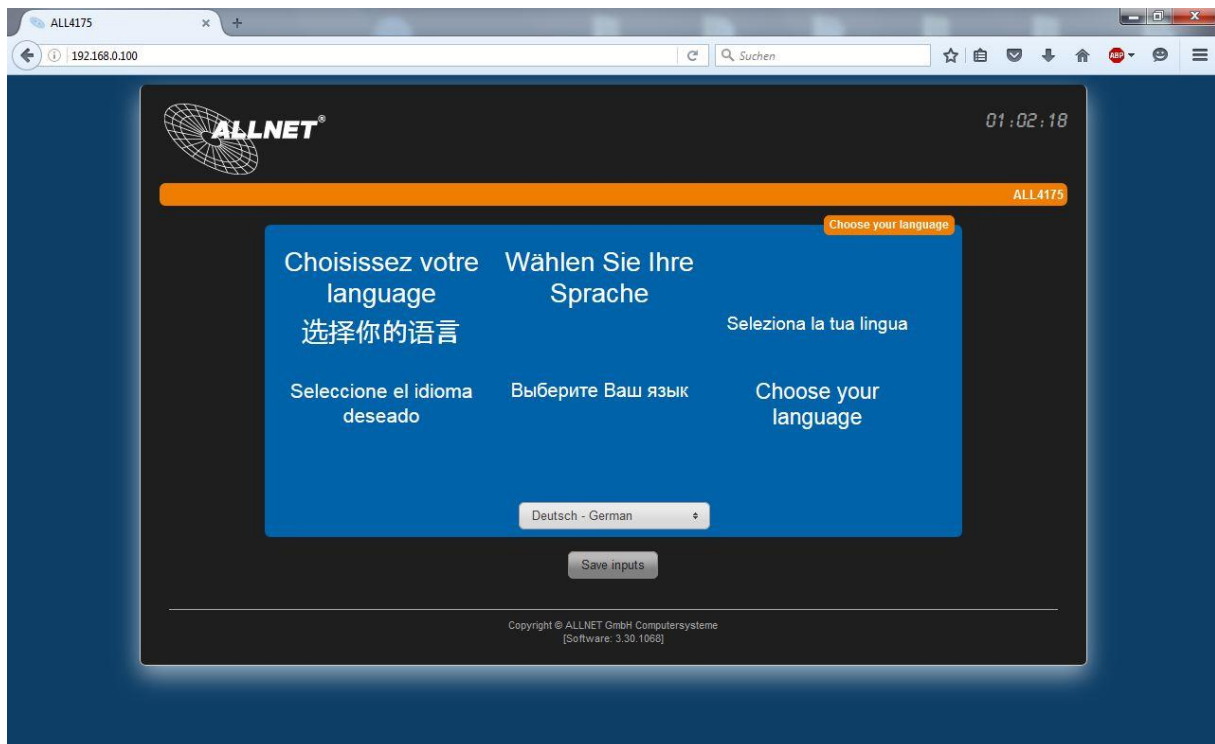
Für den Fall, dass Ihr ALL3696 durch fehlerhafte Benutzereinstellungen oder ein vergessenes Passwort nicht mehr erreichbar ist, können Sie über nachfolgende Reset-Prozedur alle Einstellungen im Gerät wieder auf den Auslieferungszustand zurücksetzen (alle Einstellungen und Werte gehen dabei verloren):

- Gerät stromlos machen.
- Mittels eines nichtleitenden spitzen Gegenstandes (z.B. Zahnstocher) die RESET-Taste drücken und gedrückt halten
- **(Der Knopf muss gedrückt bleiben!).**
- Die ALL3696 nun wieder mit Strom versorgen und ca. 45 Sekunden warten.
- Erst jetzt die Reset-Taste wieder loslassen.

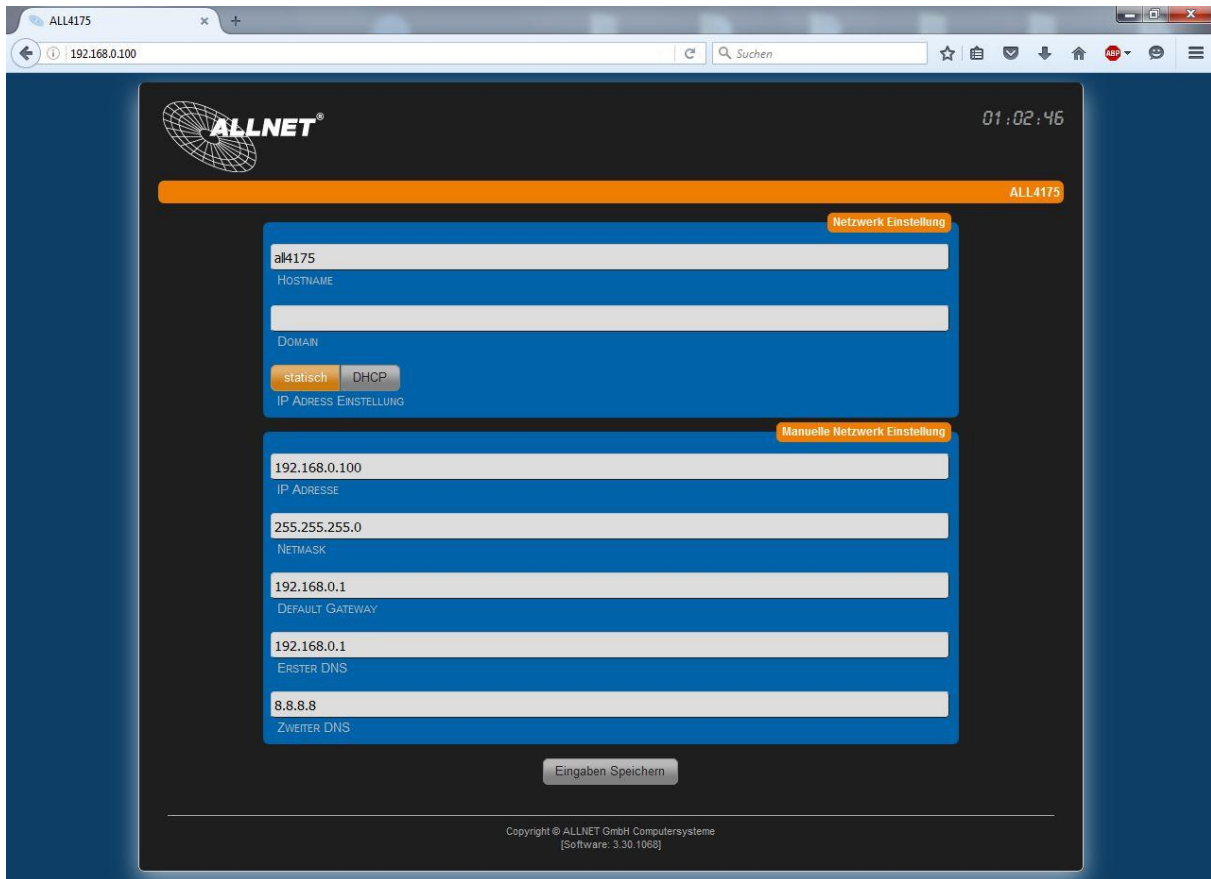
Jetzt ist der Reset-Vorgang abgeschlossen und alle Einstellungen sind wieder im Auslieferungszustand.

3. Anpassen des ALL3696 an Ihr Netzwerk

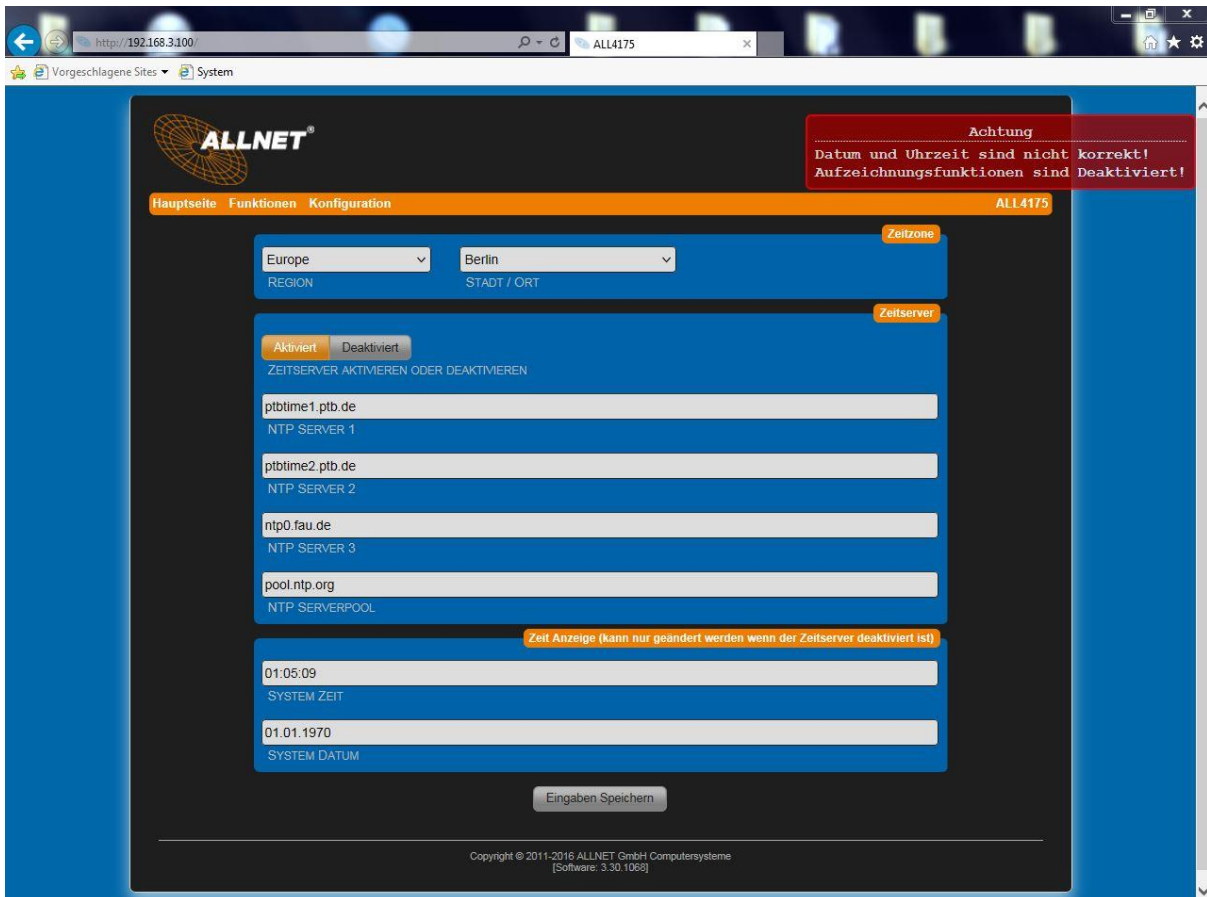
- Verbinden Sie Ihr ALL3696 mittels beigefügtem LAN Kabel mit Ihrem Netzwerk. Achten Sie dabei darauf, dass die Stecker hörbar einrasten.
- Die ALL3696 kommuniziert mit Hilfe des TCP/IP-Protokolls mit den angeschlossenen Komponenten. Damit die ALL3696 von Ihrem PC/MAC erkannt wird, müssen sich die ALL3696 und der PC/MAC im selben Netzwerksegment befinden.
Standardmäßig hat die ALL3696 folgende IP-Adresse:
192.168.0.100 – kein Benutzername und kein Passwort
- Bitte stellen Sie nun den PC/MAC temporär auf eine freie Adresse zwischen 192.168.0.1 – 192.168.0.254 (nicht 192.168.0.100 – diese ist schon von der ALL3696 vorbelegt) ein.
Im Idealfall können Sie für Ihre PC-Netzwerkschnittstelle eine zweite IP-Adresse für den Bereich mit 192.168.0.xxx vergeben.
- Wenn Sie nun im Webbrowser (Firefox, Chrome, etc..) die Adresse 192.168.0.100 eingeben, erscheint die erste Seite zur Spracheinstellung der ALL3696:



- e. Wählen Sie die gewünschte Sprache im Dropdown-Menü aus und speichern Sie Ihre Einstellungen ab. Automatisch werden Sie auf den nächsten Konfigurationspunkt weitergeleitet.
- f. Hier können Sie der ALL3696 eine IP-Adresse aus Ihrem Netzwerksegment geben.
Statisch: Die IP-Einstellungen können hier manuell festgelegt werden.
DHCP: Die ALL3696 bezieht automatisch eine IP aus dem Bereich Ihres Routers.
Bestätigen Sie die Einstellungen mit „Eingaben speichern“.



- g. Das Gerät übernimmt nun die Einstellungen. Dieser Vorgang dauert 10 Sekunden. Die Seite wird dann mit der von Ihnen konfigurierten IP-Adresse neu geladen.
- h. Es erscheint nun eine Seite mit den Zeiteinstellungen. Hier können Sie einen eigenen Zeitserver definieren, die bereits eingetragenen Zeitserver verwenden oder die Zeit manuell einstellen.

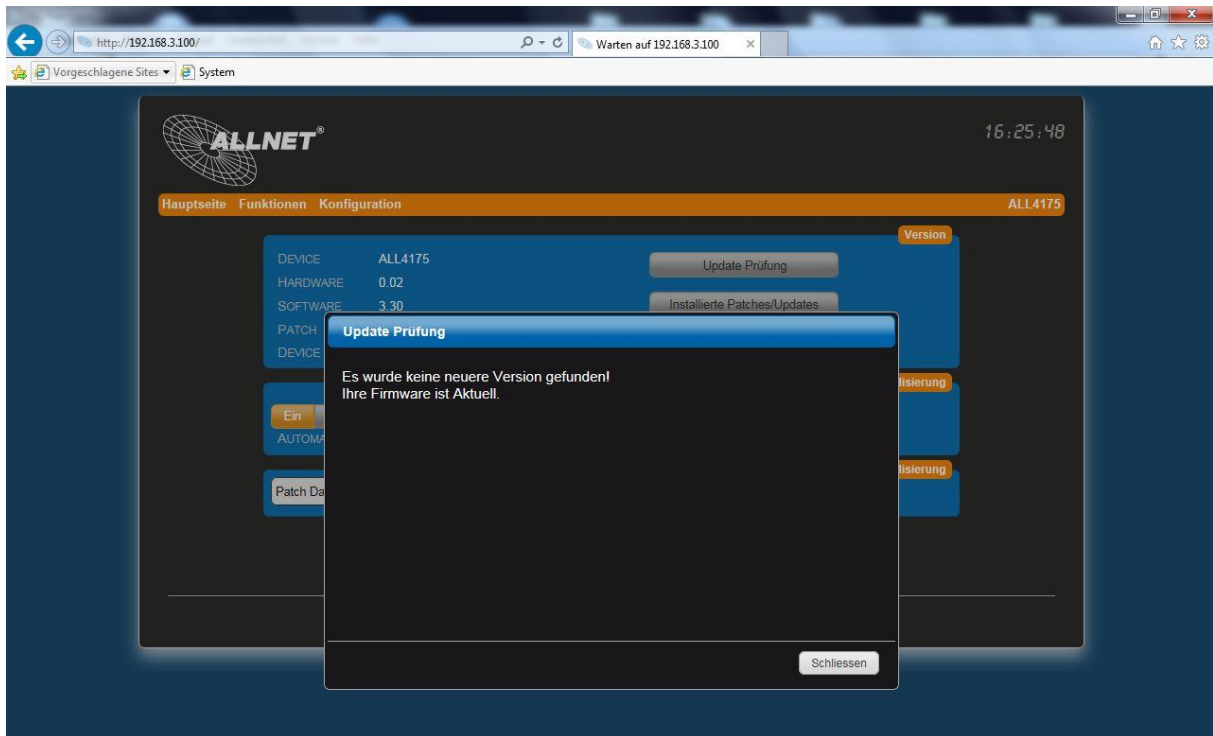


- i. Speichern Sie Ihre Einstellungen mit „Eingaben Speichern“ ab.

4. Prüfung auf Updates

Nachdem Sie die IP-Konfiguration durchgeführt haben wird empfohlen die ALL3696 auf die aktuellste Software Version zu aktualisieren. Navigieren Sie hierzu zu Konfiguration -> Update Einstellungen. Wenn Sie auf „Update Prüfung“ klicken erhalten Sie entweder die Meldung

- a. Es wurde keine neuere Version gefunden
oder
- b. Update installieren



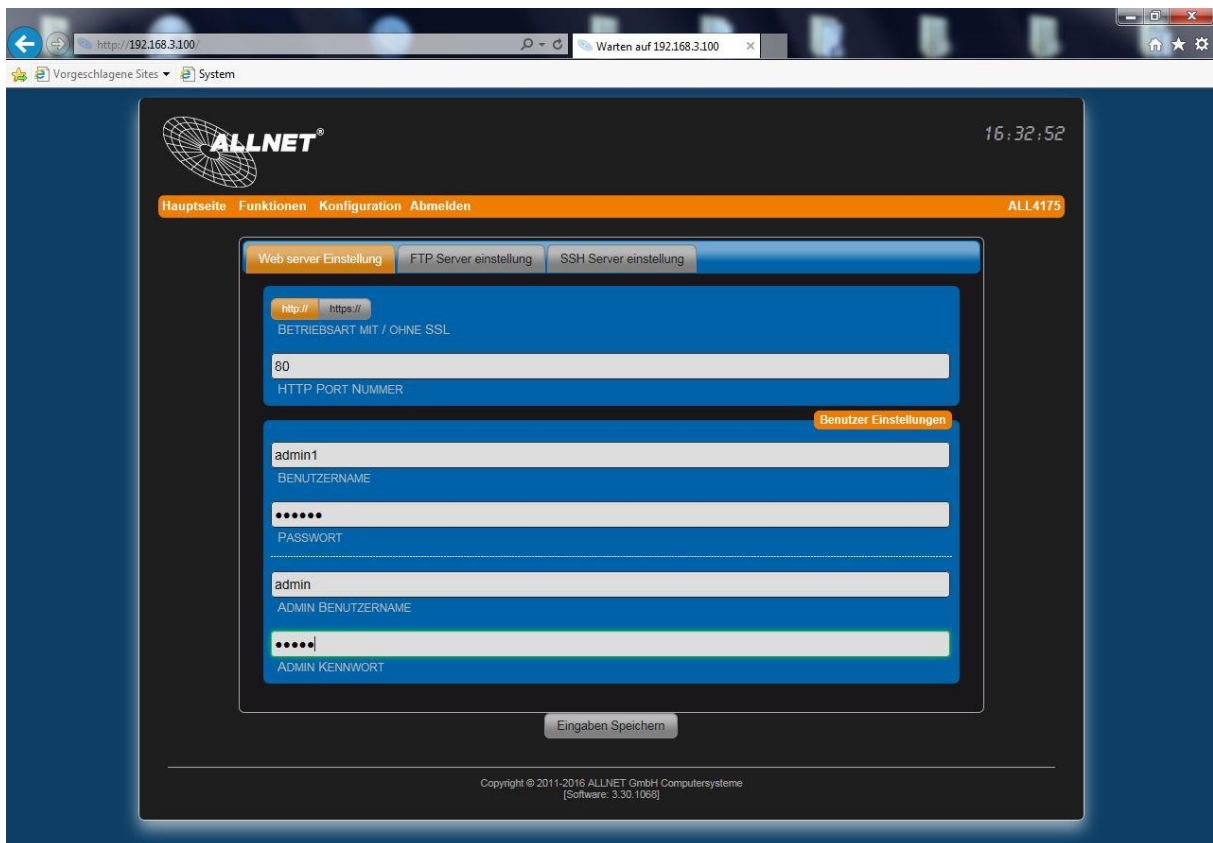
Führen Sie die „Update Prüfung“ mehrmals durch bis Sie die obige Anzeige erhalten.

5. User anlegen

Damit nur Sie Zugriff auf die Konfigurationen der ALL3696 haben, sollten Sie ein Admin-Konto konfigurieren.

Begeben Sie sich zu Konfiguration -> Web Server und Benutzer.

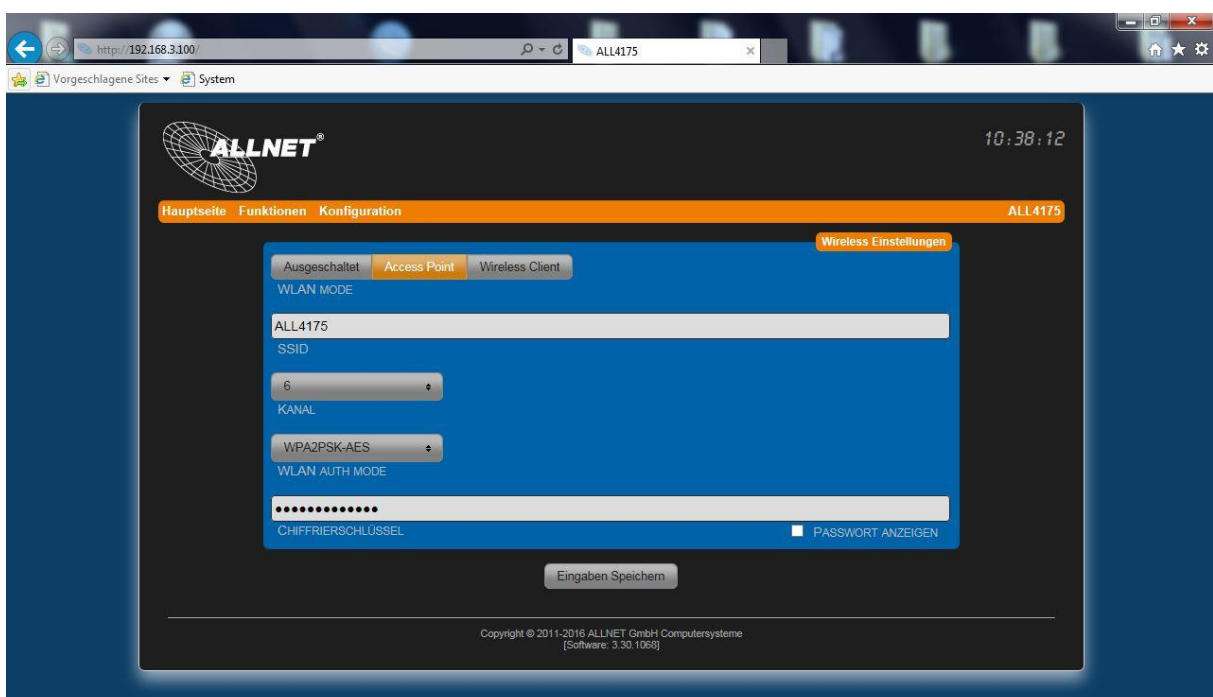
Hier können Sie nun einen Admin-Benutzer und einen normalen Benutzer anlegen. Der Admin-Benutzer hat vollen Zugriff über das Webinterface, während der normale Benutzer nur die Hauptseite sehen und bedienen kann.



6. Access-Point Konfiguration

Sie können die ALL3696 auch als eigenen Zugangspunkt konfigurieren.

Unter Konfiguration -> WLAN Einstellung können Sie die Konfiguration für den Access Point-Modus tätigen.



SSID: Hier können Sie einen beliebigen Netzwerknamen eintragen. Dieser Name wird beim Scannen des Netzwerks angezeigt.

Kanal: Hier wird der Sendekanal ausgewählt.

WLAN Auth Mode: Hier können Sie den Verschlüsselungsmodus wählen. WPA2PSK-AES wird empfohlen.

Chiffrierschlüssel: Hier können Sie einen beliebigen WLAN-Schlüssel eintragen. Dieser wird beim Verbinden mit der ALL3696 erfragt. Verwenden Sie ein sicheres Passwort mit mindestens 8 Zeichen.

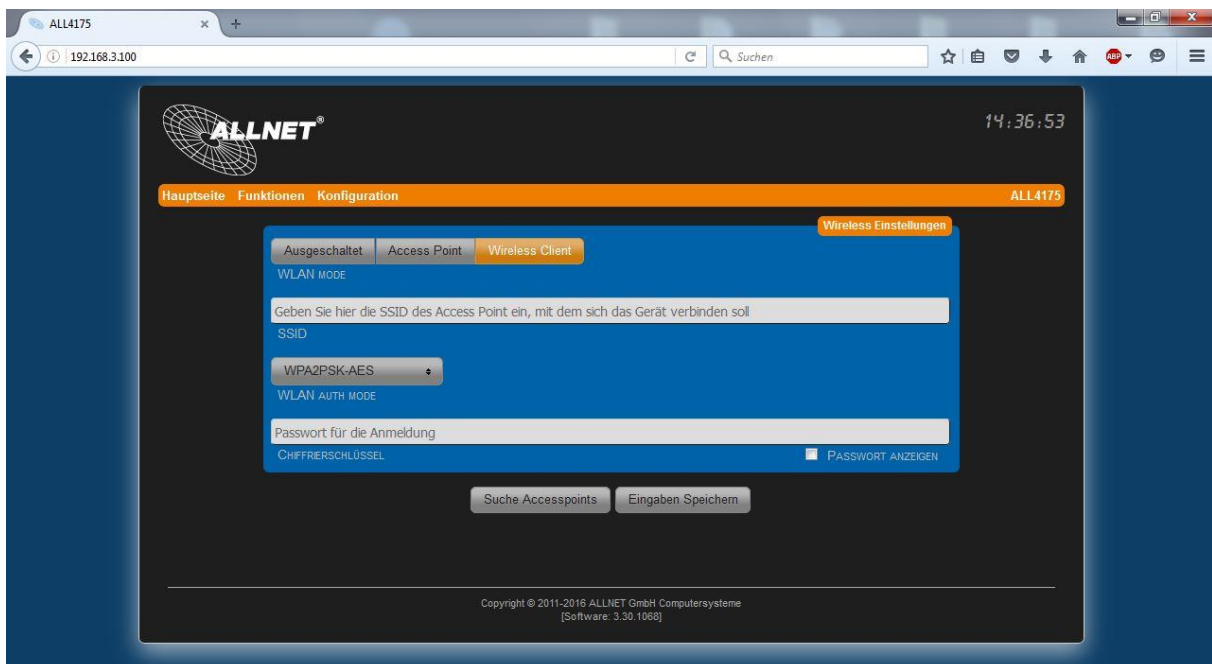
Bestätigen Sie zuletzt Ihre Parameter mit „Eingaben Speichern“.

Die Eingaben werden übernommen. Dieser Vorgang dauert 120 Sekunden.

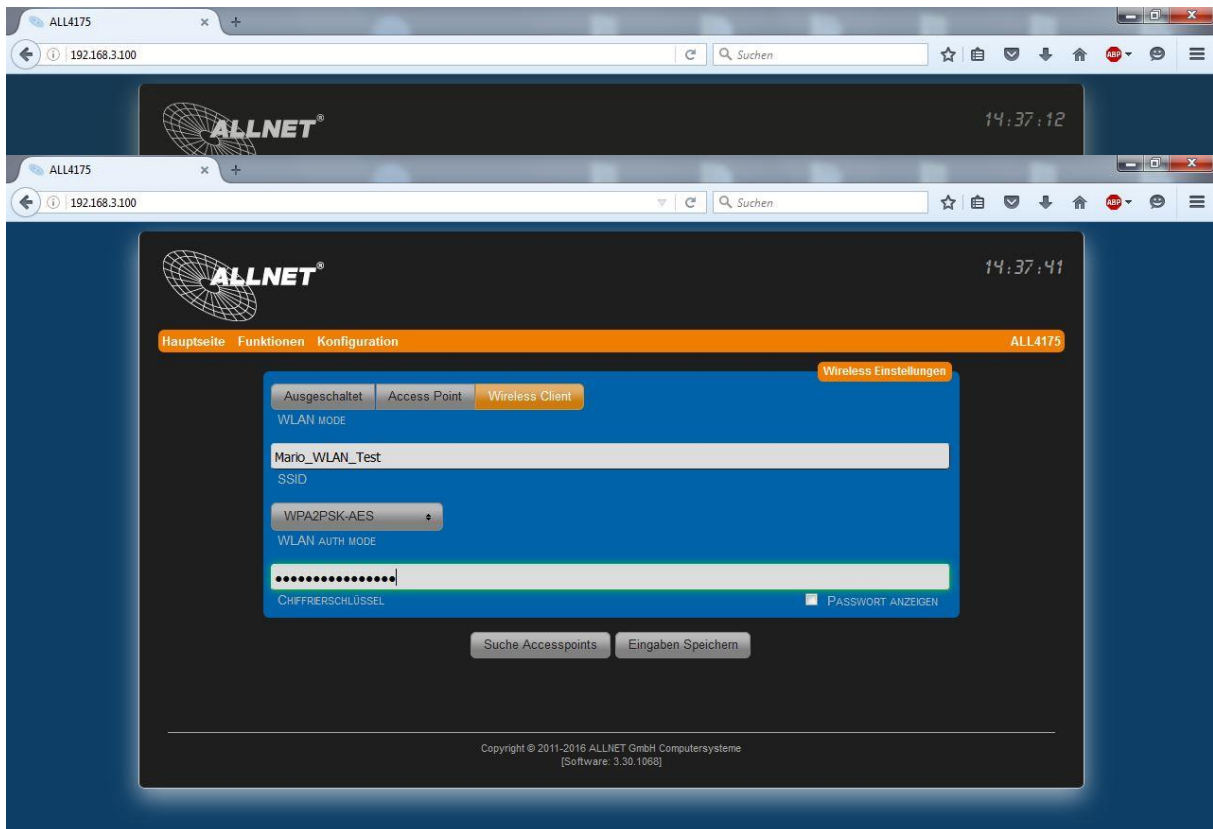
7. Wireless-Client Konfiguration

Sie können die ALL3696 auch mit einem bestehenden WLAN-Netz verbinden.

Unter Konfiguration -> WLAN Einstellung können Sie die Konfigurationen für eine WLAN Anbindung tätigen.



Wählen Sie Wireless Client, um das Gerät mit einem bestehenden Netz zu verbinden. Klicken Sie auf „Suche Accesspoints“, um nach Ihrem WLAN-Netz zu suchen.



Es werden alle in der Umgebung vorhandenen Netze angezeigt. Selektieren Sie Ihr Netz und betätigen Sie die „Wählen“-Schaltfläche.

Die „SSID“ und der „WLAN AUTH MODE“ werden automatisch ausgefüllt. Geben Sie nur noch Ihren WLAN-Schlüssel ein und bestätigen Sie die Einstellungen mit „Eingaben Speichern“. Das Gerät übernimmt jetzt die Parameter. Dieser Vorgang dauert 120 Sekunden.

Das Gerät ist dann über die eingestellte IP-Adresse erreichbar.

WICHTIG: Nachdem die 120 Sekunden vorüber sind müssen Sie das LAN-Kabel entfernen, um einen Netzwerkkonflikt zu vermeiden.

HINWEIS: Das WLAN-Netz mit welchem Sie sich verbinden darf kein LEERZEICHEN in der SSID enthalten. Es wird sonst keine Verbindung aufgebaut.

8. Kalibrierung der Stromwandler

Aktivieren Sie zunächst die Expertenansicht unter Konfiguration > Geräte Einstellungen.




Die Stromwandler müssen kalibriert werden. Gehen Sie wie folgt vor:

1. Nullpunkteinstellung:

- Klemme ohne Strom im Leiter
- angezeigten Messwert (z.B. 1.234 A) merken



Klicken Sie auf das Schraubenschlüssel-Symbol (), um den Sensor zu bearbeiten.

Klicken Sie auf den Reiter „Berechnung“ und aktivieren Sie die Berechnungsfunktion.

Addition1: negativen Wert (im Beispiel -1.234) eintragen

Speichern Sie die Einstellungen ab und der Sensor sollte jetzt etwa 0 anzeigen.

2. Multiplikator-Einstellung:

- Bekannter Strom im Leiter (z.B. mit Zangenamperemeter gemessen)
- Unter Berechnung (s.o.) den Wert bei „Multiplikation1“ anpassen, bis der angezeigte Wert dem Wunschwert entspricht

➤ Wiederholen Sie diese Schritte für alle weiteren Phasen.

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<https://ce.allnet.de/>

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