



ALL-WR2901-4G

Wireless N LTE-Router



Benutzerhandbuch

Standard-IP: 192.168.100.1

Benutzer: admin

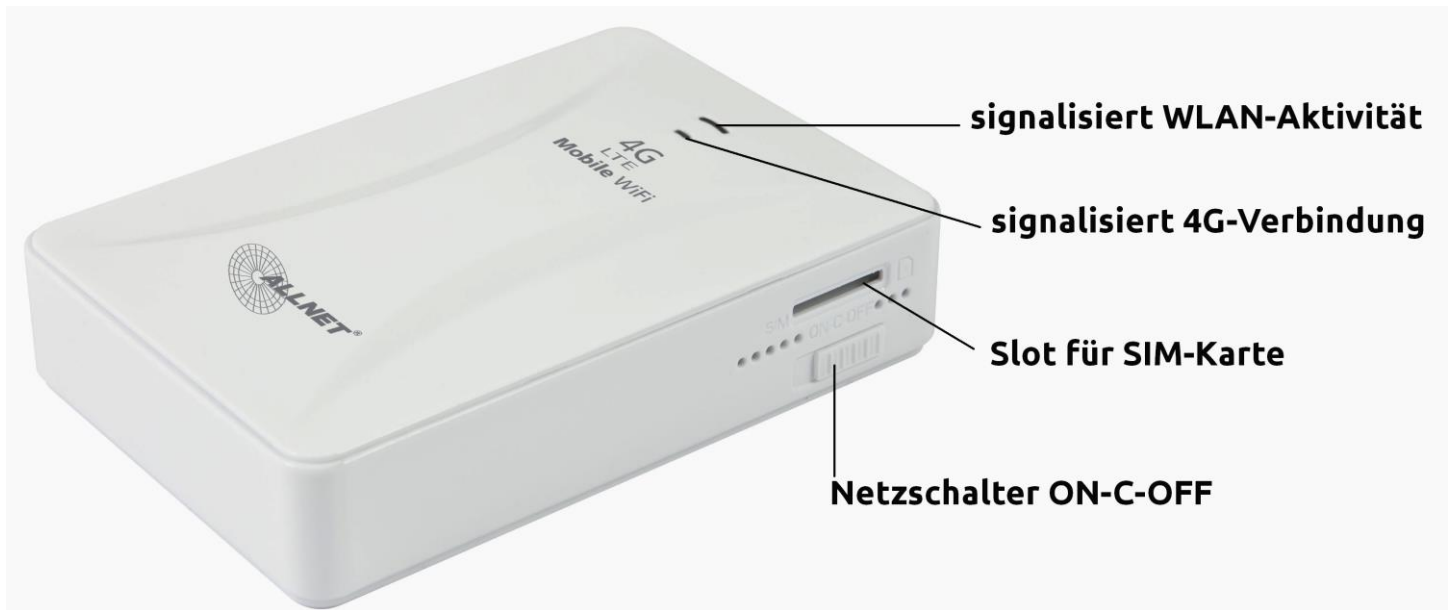
Passwort: admin

SSID: ALL-WR2901-4G

Passwort: 88886666

Achtung:

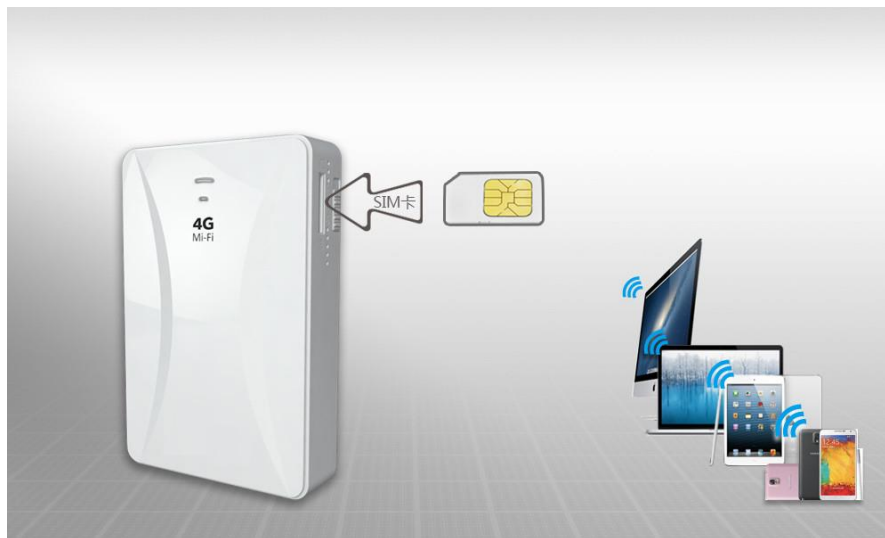
Bitte ändern Sie nach dem ersten Login die
Standardpasswörter des Routers.



Erklärung

Name	Status	Funktion
SIM Karten Slot		Führen Sie hier die SIM-Karte ins Geräte ein
Netzschalter	ON	Der ALL-WR2901-4G wird gestartet.
	C	Lademodus. In diesem Modus werden am USB-Port angeschlossene Geräte aufgeladen.
	OFF	Gerät abgeschaltet.
Akku-status LED	1 LED an	Batterie ist bei 20%
	2 LEDs an	Batterie ist bei 40%
	3 LEDs an	Batterie ist bei 80%
	4 LEDs an	Batterie ist bei 100%, vollgeladen.
LED für mobiles Internet	Rot blinkend signalisiert keine Verbindung Blinkende blaue LED signalisiert Verbindungsversuch. Leuchtende blaue LED signalisiert erfolgreiche Netzwerkverbindung.	
WLAN-LED	Blinkende blaue LED bedeutet Datenübertragung über WLAN.	
USB-Port	Dieser USB- Port wird genutzt um Smartphones / Tablets zu laden (5V/1A Output).	
Reset-Taster	Drücken Sie während dem Betrieb des Gerätes den Resettaster für 20 Sekunden. Der Netzschalter muss sich dazu im Modus "On" befinden. Nach weiteren 5 Sekunden wird das Gerät neustarten und befindet sich danach im Auslieferungszustand.	
WAN/LAN	Schnittstelle für Computer um Zugriff auf das Webinterface zu erhalten. Kann ebenfalls als WAN-Port im Access Point-Modus genutzt werden.	
Ladekontrollanzeige	Diese LED leuchtet rot auf während der ALL-WR2901-4G geladen wird. Sobald die LED nicht mehr leuchtet ist das Gerät vollgeladen.	
Ladeanschluss (microUSB)	Der microUSB-Port wird genutzt um den integrierten 5200mAh Akku zu laden (5V/1A Input) .	

Installation einer SIM-Karte



Verwenden Sie eine SIM-Karte in Standard-Größe, keine micro/nano-SIM-Karte! Verwenden Sie wenn nötig einen Adapter.

1. Starten Sie Ihren Internetbrowser, tippen Sie **192.168.100.1** in das Adressfeld ein und bestätigen Sie mit Enter.
2. Verwenden Sie als Benutzername & Passwort: **admin**
3. Führen Sie anschließend die SIM-Karte über den SIM-Karten-Slot mit der metallenen Seite nach oben ein. Beachten Sie dazu die abgedruckte Grafik.
4. Begeben Sie sich zum Menüpunkt „Network - Internet Settings“.
5. Tragen Sie dort unter „PIN“ die PIN-Nummer der SIM-Karte ein.
6. Wählen Sie anschließend zwischen „APN-Mode“: „Auto“ oder „Manual“.
7. Sollte die automatische Einwahl (Auto) nicht gelingen, müssen Sie die geforderten Daten manuell (Manual) eintragen. Diese Daten erhalten Sie von Ihrem SIM-Kartenanbieter.

SIM-Karte aus Slot entfernen:

Drücken Sie die SIM-Karte leicht in das Gehäuse hinein. Sie hören einen „Klick“ und die Karte wird herausgeschoben.

Achtung:



**Löschen oder ändern Sie den im Webinterface abgespeicherten
PIN-Code BEVOR Sie eine neue SIM-Karte einführen, um eine
Kartensperre zu vermeiden!**






Zusätzliche WLAN-Modi des ALL-WR2901-4G

1. Access Point-Modus

Wenn Ihnen ein LAN-Zugang zu einem Netzwerk mit Internetverbindung zur Verfügung steht, können Sie das Gerät als Access Point verwenden.

1. Gehen Sie dazu im Webinterface zum Menüpunkt „Network -> Internet Settings“ und wählen Sie den WAN-Modus „Wire Mode“.
2. Anschließend wählen Sie den „WAN Connection Mode“.
(Für die meisten Netzwerke ist „DHCP“ die richtige Wahl.)
3. Anschließend konfigurieren Sie unter „WLAN – Security Settings“ die WLAN-Verschlüsselung
4. Damit ist die Konfiguration abgeschlossen.
5. Beachten Sie, dass nach Bestätigung dieser Konfiguration das Webinterface nicht mehr über den WAN/LAN-Port erreichbar ist. Um das Webinterface zu erreichen müssen Sie eine WLAN-Verbindung zum ALL-WR2901-4G aufbauen.



**Status****Network****WLAN****Application****Management**

Network > Internet Settings



You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Mode Select	
<input type="radio"/> 3G/4G Mode	<input checked="" type="radio"/> Wire Mode
<input type="radio"/> Wireless Client Mode	
WAN Connection Mode:	<div>DHCP PPPOE DHCP STATIC PPTP L2TP</div>
WAN MAC Clone	
MAC Clone	
<div>Apply Cancel</div>	

2. Wireless Client-Modus

Beim Wireless Client-Modus verbindet sich der ALL-WR2901-4G mit einem bestehenden WLAN-Netz und verbindet ein am LAN/WAN-Port angeschlossenes Gerät mit diesem. Die Konfiguration erfolgt wie folgt:

1. Gehen Sie dazu im Webinterface zum Menüpunkt „Network -> Internet Settings“ und wählen Sie den WAN-Modus „Wireless Client Modus“.
2. Drücken Sie die Schaltfläche „Open Scan“. Daraufhin werden Ihnen die WLAN-Netze in Ihrer Umgebung angezeigt.
3. Wählen Sie das passende WLAN-Netz aus und tragen Sie das WLAN-Passwort ein. Bestätigen Sie mit „Apply“.

Status
Network
WLAN
Application
Management

Network > Internet Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Mode Select	
<input type="radio"/> 3G/4G Mode	<input type="radio"/> Wire Mode
<input checked="" type="radio"/> Wireless Client Mode	

Wireless Client Mode	
SSID	ALLNET-INT1
MAC	50:a7:33:1c:ec:58 MAC Option
Chanel	11 ▾
Security Mode	WPA2-PSK ▾
WPA Algorithms	<input type="radio"/> TKIP <input checked="" type="radio"/> AES
Password	*****

Select	SSID	MAC	Chanel	Security Mode	Signal Strength
<input type="radio"/>	ALL02850N-Dauertest	00:0f:c9:0e:a5:cc	10	WPA2PSK/AES	11b/g/n BELOW 100
<input checked="" type="radio"/>	ALLNET-INT1	50:a7:33:1c:ec:58	11	WPA2PSK/AES	11b/g/n NONE 91
<input type="radio"/>	ALLNET-Guest	50:a7:33:5c:ec:58	11	WPA2PSK/AES	11b/g/n NONE 96
<input type="radio"/>	Kolja_Testnetz	00:08:54:88:03:f5	13	WPA2PSK/AES	11b/g NONE 100

PowerBank

Der ALL-WR2901-4G kann als PowerBank für Smartphones, Tablets etc. verwendet werden.

Ladevorgang:

Schließen Sie das Smartphone/Tablet am USB-Anschluss an und stellen Sie den Schalter auf „C“.

Nun beginnt der Ladevorgang (5V/1A).

Sollte der Ladevorgang im Modus „C“ nicht beginnen, bewegen Sie den Schalter bitte auf „ON“.

Bitte beachten:

Bitte laden Sie den ALL-WR2901-4G nicht gleichzeitig über den microUSB-Port, während Sie ein Smartphone/Tablet am USB-Port laden. Wenn diese Vorgänge gleichzeitig vollzogen werden, schaden Sie damit der Batterie.



Akku-Batterie des ALL-WR2901-4G aufladen

Die rote LED der Ladekontrollanzeige wird rot aufleuchten, wenn der Akku aufgeladen wird. Wenn dieser vollgeladen ist wird die LED nicht mehr leuchten. Das dauert in etwa 8 Stunden. Mit einem Tastendruck auf den Akkustatus-Taster können Sie den momentanen Status des Akkus überprüfen.

WLAN-Verschlüsselung

Es ist dringend zu empfehlen, dass Sie das Standard-WLAN-Passwort „88886666“ nach dem ersten Login zu einem eigenem Passwort verändern.

Die Möglichkeit dazu finden Sie unter „WLAN“– „Security Settings“.

Tragen Sie im Feld „Pass Phrase“ ein eigenes WLAN-Passwort ein, um Ihr WLAN zu schützen. Verwenden Sie dazu mindestens 8 Zeichen.



**Status**

**Network**

**WLAN**

**Application**

**Management**

WLAN > Wireless Security/Encrypt

Basic Settings
Security Settings
Advanced Settings

Setup the wireless security and encryption to access and monitoring.

Select SSID	
SSID	ALL-WR2901-4G_70A0CC ▾

"ALL-WR2901-4G_70A0CC"	
Security Mode	WPA2-PSK ▾

WPA	
WPA Algorithms	<input type="radio"/> TKIP <input checked="" type="radio"/> AES <input type="radio"/> AUTO
Pass Phrase	88886666
Key Renewal Interval	3600 seconds

Access Policy :MAC Address Filtering	
Policy	Disable ▾
Add a station MAC Address	<input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/>

Apply Cancel

Roaming

Roaming bedeutet die Aufnahme einer Netzverbindung durch ein Mobilfunkendgerät über die SIM Karte **außerhalb** des Netzes seines Netzwerkproviders.

In diesem Fall wird das Handy automatisch nach dem nächsten verfügbaren Netzwerk suchen, egal ob im Inland oder Ausland.

Da mehrere Provider für diesen Vorgang benutzt werden, sind die Gebühren zum Teil **deutlich höher** als im Inland.

Beim ALL-WR12901-4G ist die Roaming-Funktion mit den Standardeinstellungen deaktiviert.

Sollten Sie Roaming nutzen wollen, können Sie diese Einstellung unter „Network – Internet Settings – 3G/4G Mode – Roaming“ ändern.

Network > Internet Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Mode Select	
<input checked="" type="radio"/> 3G 4G Mode	<input type="radio"/> Wire Mode
<input type="radio"/> Wireless Client Mode	

Connection Settings	
APN Mode	Auto ▾
Operator	<input type="text"/>
Dial Number	<input type="text"/>
APN	<input type="text"/>
User Name	<input type="text"/>
Password	<input type="text"/>
pin code	<input type="text"/>
Roaming	<input type="radio"/> On <input checked="" type="radio"/> Off
Auth Type	AUTO ▾
Operation Mode	Keep Alive ▾
Redial Period	5 seconds
Idle Time	600 seconds



Safety Warnings

For your safety, be sure to read and follow all warning notices and instructions.

- Do not open the device. Opening or removing the device cover can expose you to dangerous high voltage points or other risks. Only qualified service personnel can service the device. Please contact your vendor for further information.
- Do not use your device during a thunderstorm. There may be a risk of electric shock brought about by lightning.
- Do not expose your device to dust or corrosive liquids.
- Do not use this product near water sources.
- Make sure to connect the cables to the correct ports.
- Do not obstruct the ventilation slots on the device.



CE-Declaration of Conformity

For the following equipment:

Germering, 9th of August, 2014

Wireless N LTE 4G Mobile Router

ALL-WR2901-4G



The safety advice in the documentation accompanying the products shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

The ALLNET ALL-WR2901-4G is in conformity with the article 3.1(a) the requirements of Health and Safety and article 3.1(b) the requirements of Electromagnetic Compatibility and article 3.2 the requirements of Effective Use of the Radio Spectrum of R&TTE Directive 1999/5/EC.

Applicable standards:

**EN 60950-1:2006+A11:2009+
A1:2010+A12:2011+A2:2013**

**EN 301 908-1 V6.2.1
EN 301 908-2 V6.2.1**

EN 62311:2008

**EN 301 908-2 V6.2.1
EN 301 908-13 V6.2.1**

**EN 301 489-1 V1.9.2
EN 301 489-17 V2.2.1
EN 301 489-24 V1.5.1**

EN 300 328 V1.7.1

This equipment is intended to be operated in all countries.

This declaration is made by
ALLNET GmbH Computersysteme
Maistraße 2
82110 Germering
Germany

Germering, 09.08.2014



Wolfgang Marcus Bauer
CEO



ALL-WR2901-4G

Wireless N LTE-Router

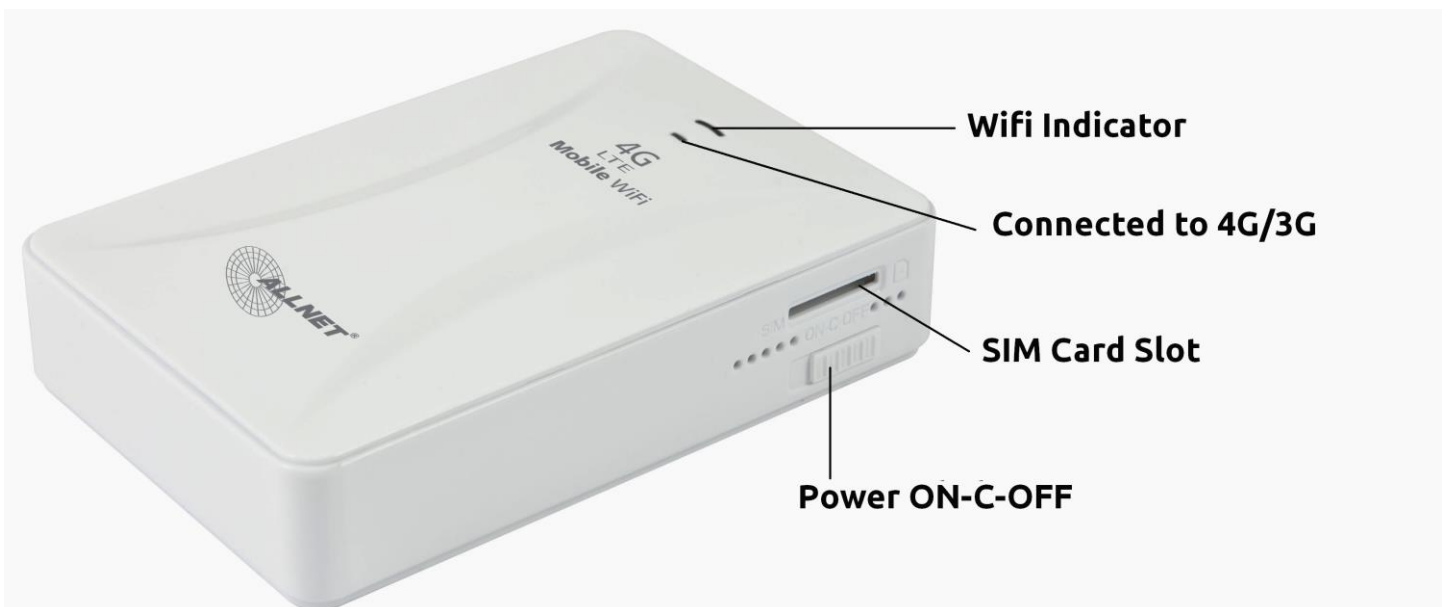


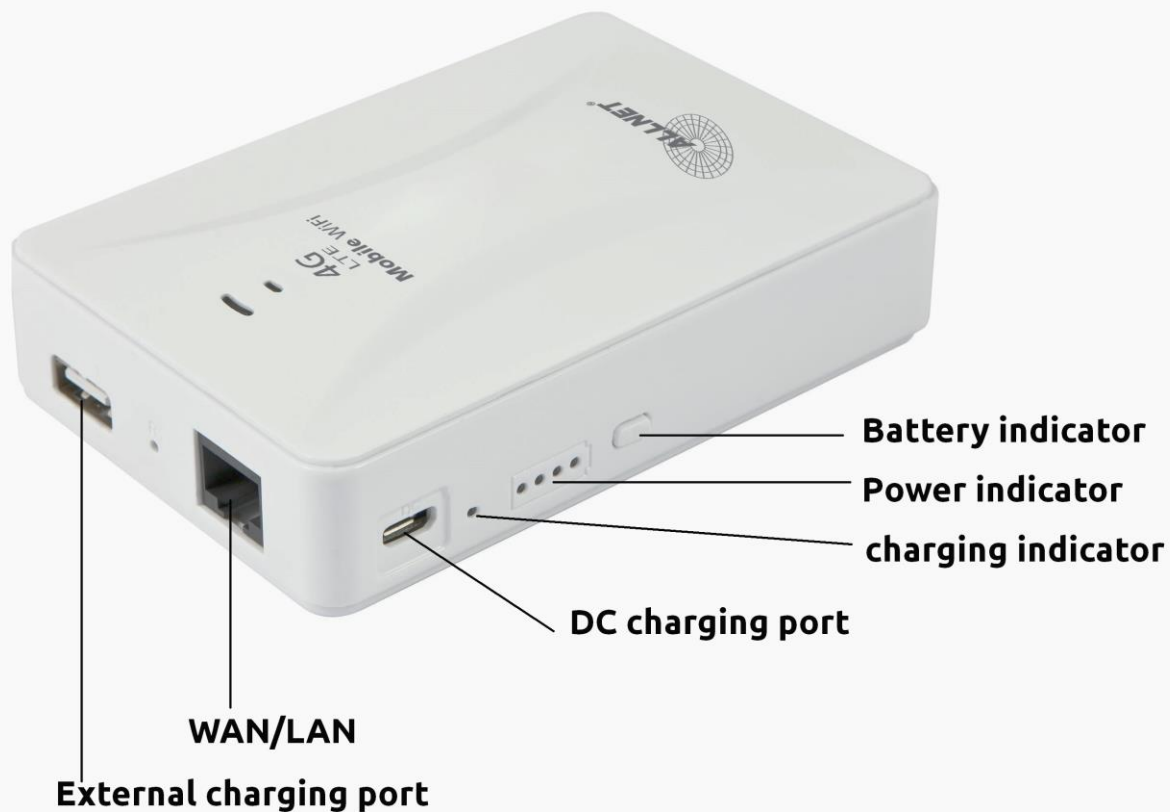
User Manual

Default IP:	<u>192.168.100.1</u>
User:	<u>admin</u>
Password:	<u>admin</u>
SSID:	<u>ALL-WR2901-4G</u>
Password:	<u>88886666</u>

Attention: Please change the default user & WLAN password immediately after your first login!

Appearance Description





Description

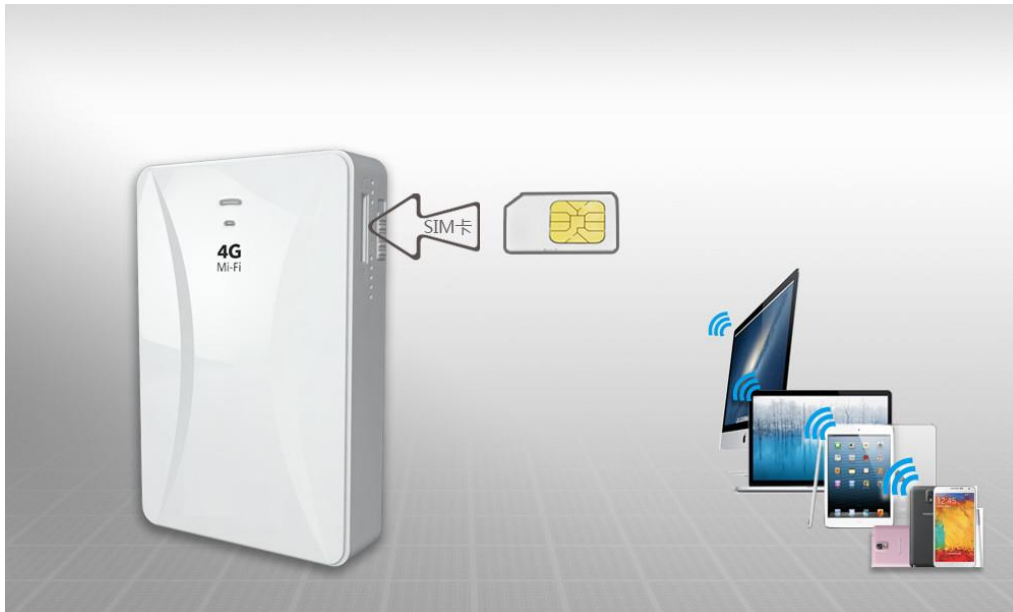
Name	Status	Function Description
SIM Card Slot		For inserting SIM Card
Power switch	ON	start wireless ALL-WR2901-4G, switch to ON when access 3G, broadband wireless
	C	external charging mode. When charging the phone, it needs to switch to C
	OFF	turning off the wireless ALL-WR2901-4G
Battery indicator	one light on	battery level is around 20%
	two lights on	battery level is around 40%
	three lights on	battery level is around 80%
	four lights on	battery level is 100%, full power
System indicator	Blue	Blue light indicates network connection successfully. Blue light flashing indicates dialing

	Red	4G network is connected
Wi-Fi indicator	Flashing fastly means WiFi is transferring data	
External charging port	USB Port is used for charging mobile phone or tablets; 5V/1A output	
Reset hole	In the boot status, hold the R reset hole with a sharp object for 20 seconds. After 20 seconds the ALL-WR2901-4G will restore the factory setting. All configuration will be cleared.	
WAN/LAN	It is for broadband network connection, and also the interface can be connected with computer by network cable to access network	
Charging indicator	When the ALL-WR2901-4G is under charging, the red light is on; it will be off when power is full	
DC charging port	The port is for charging ALL-WR2901-4G; 5V/1A input	

LED Status

Item	Name	Status	Description	Function Introduction
1	Working status	One blue light, one red light	ALL-WR2901-4G working status	(1) the blue light is lit and the red is out, it means 3G or cable broadband has been connected to internet; (2) the blue light and red light are lit, it means 4G is connected to internet; (3) the blue light is flashing slowly and the red one is off, it means no SIM Card or the device didn't connect to internet
2	Wifi status	one blue light	Wifi working status	the light is lit continuously, wifi is on; the light is off, wifi is off; the light is flashing, wifi data is transmitting
3	Charging indicator	one red light	Charging working status	it is charging, the red light is lit continuously; It is charged, the red light is off
4	Power level indicator	four blue lights	to show the power level	represents the power level (probably) below 20%, 30%~45%, 60%~85%, 90%, four levels.

SIM Card Installation and Pop-ups



1. Start your Internet browser, type 192.168.100.1 into the address field and press Enter.
2. Use Username & Password: **admin**
3. Enter the SIM card at the SIM card slot with the metal side facing up.
4. Navigate to the menu "Network - Internet Settings".
5. Enter at "PIN", the PIN number of the SIM card.
6. Then select between "APN mode": "Auto" or "Manual".
7. If the automatic dialing (Auto) fail, you have to enter the data manually (Manual). Contact your SIM card provider to get the correct data.

Remove the SIM Card Operation

Gently push the SIM Card a little, then loose it completely, you can eject the SIM Card

Attention:

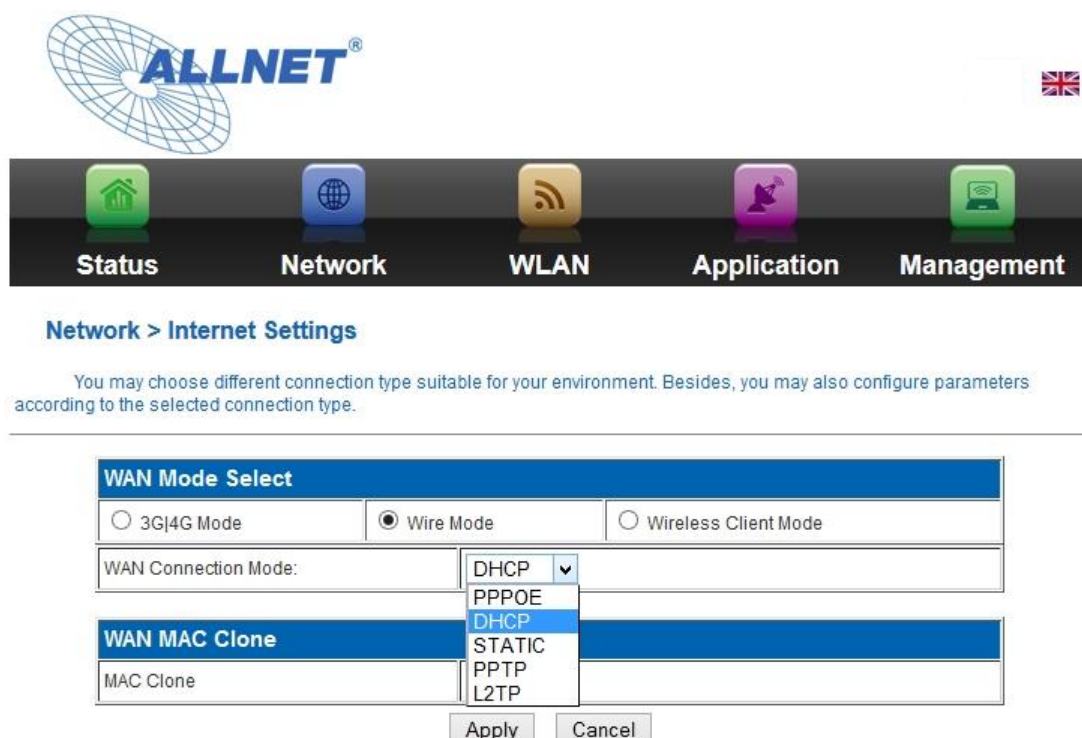
Reset your Connection settings BEFORE you insert a **new SIM card to avoid SIM card lock due to wrong pin code!**

3. Additional wireless modes of ALL-WR2901-4G

Access Point-Mode

If there is a LAN access to a network with Internet connection available, you can use the device as an access point.

6. Go to the Web Interface menu item "Network -> Internet Settings" and select the WAN Mode "Wire Mode".
7. Then select the "WAN Connection Mode".
(For most networks "DHCP" is the right choice.)
8. Then configure your WLAN security at "WLAN – Security Settings"
9. The configuration is complete now.
10. Note that after confirmation of this configuration, the Web Interface is no longer accessible on the WAN / LAN port .
To reach the web interface you need a WLAN connection to the ALL-WR2901-4G.



ALLNET

Status Network WLAN Application Management

Network > Internet Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Mode Select

☐ 3G/4G Mode ☒ Wire Mode ☐ Wireless Client Mode

WAN Connection Mode: DHCP

WAN MAC Clone

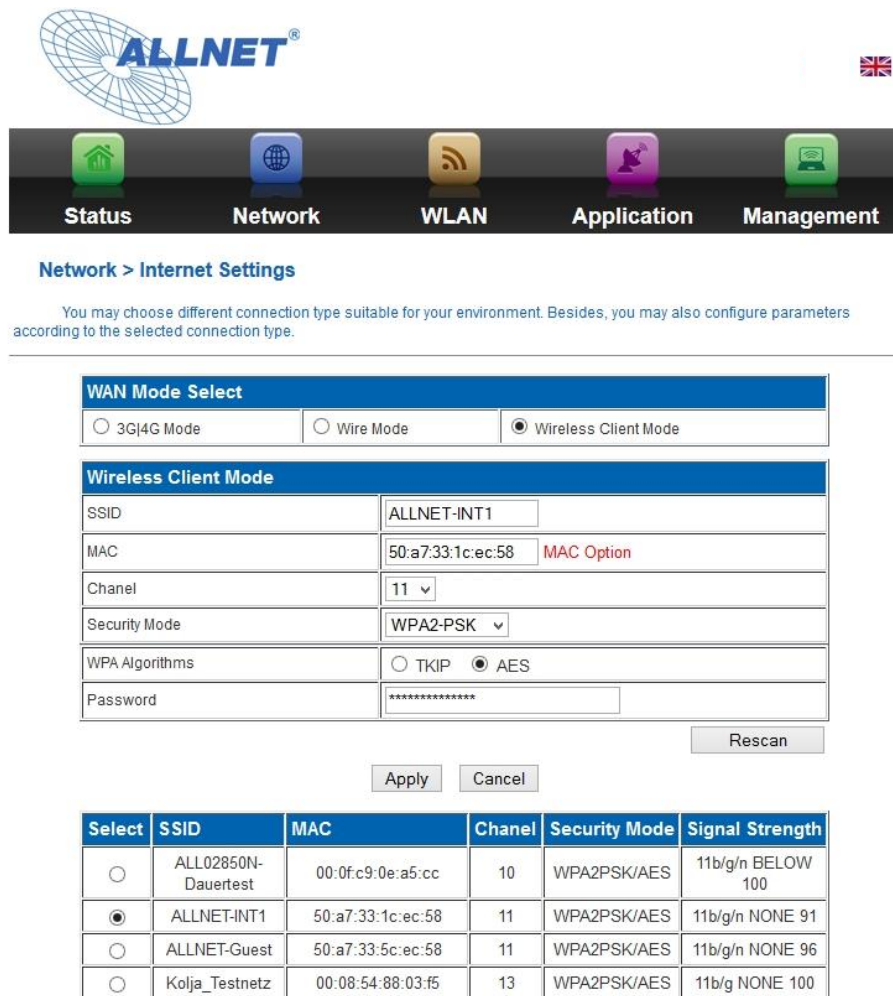
MAC Clone STATIC

Apply Cancel

4. Wireless Client-Mode

In the Wireless Client mode, the ALL-WR2901-4G connects to an existing wireless network and connects one to the LAN / WAN port connected device with this WLAN.

1. Go to the Web Interface menu item "Network -> Internet Settings" and select the WAN mode "wireless client mode".
2. Use the Button "Open Scan" to scan the wireless networks in your area.
3. Select the appropriate wireless network and enter your wireless password. Confirm by clicking "Apply".



WAN Mode Select

☐ 3G/4G Mode
 ☐ Wire Mode
 ☒ Wireless Client Mode

Wireless Client Mode

SSID: ALLNET-INT1
 MAC: 50:a7:33:1c:ec:58 MAC Option
 Channel: 11
 Security Mode: WPA2-PSK
 WPA Algorithms: ☐ TKIP ☒ AES
 Password: *****

Rescan

Apply Cancel

Select	SSID	MAC	Channel	Security Mode	Signal Strength
<input type="radio"/>	ALL02850N-Dauertest	00:0f:c9:0e:a5:cc	10	WPA2PSK/AES	11b/g/n BELOW 100
<input checked="" type="radio"/>	ALLNET-INT1	50:a7:33:1c:ec:58	11	WPA2PSK/AES	11b/g/n NONE 91
<input type="radio"/>	ALLNET-Guest	50:a7:33:5c:ec:58	11	WPA2PSK/AES	11b/g/n NONE 96
<input type="radio"/>	Kolja_Testnetz	00:08:54:88:03:f5	13	WPA2PSK/AES	11b/g NONE 100

PowerBank

The ALL-WR2901-4G can be used as Power Bank for smartphones, tablets and more (using USB port).

Charging:

Connect the smartphone / tablet to the USB port and turn the switch to "C".

Now charging (5V / 1A) begins.

If charging mode "C" does not charge your device, move the switch to "ON".

Please note:

Please do not load the ALL-WR2901-4G simultaneously via the microUSB port while charging a smartphone / tablet to the USB port. If these actions are carried out simultaneously, the battery will be harmed.



Battery recharge of ALL-WR2901-4G

The red LED charging indicator will light red when the battery is charging. When fully charged the LED will not light. This takes about 8 hours. With one touch of the button, you can check the current status of the battery.

WLAN-Encryption

It is strongly recommended that you change the default wireless password "88886666" after the first login to a private password.

You can change the password at "Wi-Fi" - "Security Settings".

Enter into the "Passphrase" field a private WLAN password to protect your wireless network. Use at least 8 characters.





Status


Network


WLAN


Application


Management

WLAN > Wireless Security/Encrypt

Setup the wireless security and encryption to

Basic Settings
 Security Settings
 Advanced Settings

 access and monitoring.

Select SSID

SSID

ALL-WR2901-4G_70A0CC ▾

"ALL-WR2901-4G_70A0CC"

Security Mode

WPA2-PSK ▾

WPA

WPA Algorithms

☐ TKIP
 ☒ AES
 ☐ AUTO

Pass Phrase

88886666

Key Renewal Interval

3600 seconds

Access Policy :MAC Address Filtering

Policy

Disable ▾

Add a station MAC Address

: : : : :

Apply

Cancel

Roaming

Roaming helps ensure that a traveling wireless device (typically a cell phone) is kept connected to a network without breaking the connection. In wireless telecommunications, Traditional Roaming is a general term referring to the ability for a cellular customer to automatically make and receive voice calls, send and receive data, or access other services, including home data services, when travelling outside the geographical coverage area of the home network, by means of using a visited network. For example; should you travel beyond your cell phone company's transmitter range, your cell phone would automatically hop onto another phone company's service, if available.

At default settings the roaming functionality is disabled on ALL-WWR201-4G. If you want to use roaming, you can change this setting under "Network - Internet Settings - 3G / 4G Mode- Roaming"

Network > Internet Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

WAN Mode Select	
<input checked="" type="radio"/> 3G 4G Mode	<input type="radio"/> Wire Mode
<input type="radio"/> Wireless Client Mode	

Connection Settings	
APN Mode	Auto ▼
Operator	
Dial Number	
APN	
User Name	
Password	
pin code	
Roaming	<input type="radio"/> On <input checked="" type="radio"/> Off
Auth Type	AUTO ▼
Operation Mode	Keep Alive ▼
Redial Period	5 seconds
Idle Time	600 seconds



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- Do not use your device during a thunderstorm. There may be a risk of electric shock brought about by lightning.
- Do not expose your device to dust or corrosive liquids.
- Do not use this product near water sources.
- Make sure to connect the cables to the correct ports.
- Do not obstruct the ventilation slots on the device.



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ALL-WR2901-4G



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EN 301 908-2 V6.2.1**

EN 62311:2008

**EN 301 908-2 V6.2.1
EN 301 908-13 V6.2.1**

**EN 301 489-1 V1.9.2
EN 301 489-17 V2.2.1
EN 301 489-24 V1.5.1**

EN 300 328 V1.7.1

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This declaration is made by
ALLNET GmbH Computersysteme
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82110 Germering
Germany

Germering, 09.08.2014



Wolfgang Marcus Bauer
CEO

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ALLNET GmbH Computersysteme
Maistrasse 2
82110 Germering

Your request should include: (i) the name of the covered binary, (ii) the version number of the ALLNET product containing the covered binary, (iii) your name, (iv) your company name (if applicable) and (v) your return mailing and email address (if available). We may charge you a nominal fee to cover the cost of the media and distribution. Your request must be sent within three (3) years of the date you received the GPL or LGPL covered code. For your convenience, some or all of the source code may also be found at:

<http://www.allnet.de/gpl.html>

LICENSE.GPLv2

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Version 2, June 1991

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