



**Handbuch ALL2289**  
**Art.Nr.: 217004**





## Technische Information

- RK3399, Six-core (Dual-core A72+quad-core A53,1.8G, RK3399)
- Linux Ubuntu
- 4GB Arbeitsspeicher
- 16GB SD-Karte
- Ethernet 100/1000M RJ45
- **WLAN nur über USB Adapter**
- **Bluetooth nur über USB Adapter**
- HDMI output
- 2x USB 3.0
- Abmessungen: 55mm(H)x215mm(T)x115mm(B)
- Adapter:12V/3A
- Temperatur Betrieb: 0 ~ 40 °C
  - Luftfeuchtigkeit Betrieb: 10% ~ 90% (nicht kondensierend)
  - Temperatur Aufbewahrung: 0 ~ 80 °C
  - Luftfeuchtigkeit Aufbewahrung: 10% ~ 90% (nicht kondensierend)
- Gewicht ca. 1kg ohne Festplatte
- Kennzeichnung: CE/RoHS





#### Wichtige Warnhinweise:

- Das Gerät ist nur für den Innenbereich bestimmt.
- Um das Risiko von Feuer oder Stromschlag zu verringern, vermeiden Sie Kontakt mit Regen, Wasser und Feuchtigkeit.
- Blockieren Sie zu keinem Zeitpunkt die Lüftungsöffnungen auf der Rückseite des Gerätes.
- Setzen Sie das Gerät keinen starken Erschütterungen aus.
- Verhindern Sie, dass Fremdkörper durch die Lüftungsöffnungen fallen
- Öffnen Sie nicht das Gehäuse des Geräts während des Betriebs. Es besteht die Gefahr eines Stromschlags.

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#### Bestimmungsgemäßer Gebrauch:

Der ALL2289 Videoserver/Linux Arm Plattform ist für den gewerblichen Gebrauch als auch für den privaten Gebrauch geeignet. Der ALL2289 ist mit einem vorinstallierten Videoserver der Firma Networkoptix ([networkoptix.com](http://networkoptix.com)) bespielt und dient in erster Instanz zur Darstellung von Videostreams und zur Überwachung von Objekten. Dennoch hat das Gerät auch ein Ubuntu basiertes Linux mit Desktop Oberfläche installiert. D.h. das Gerät ist ebenso in der Lage Linux Programme ausführen zu können. Dieses Gerät entspricht den CE- und FCC-Vorschriften.

CE-Download: <http://ce.allnet.de>



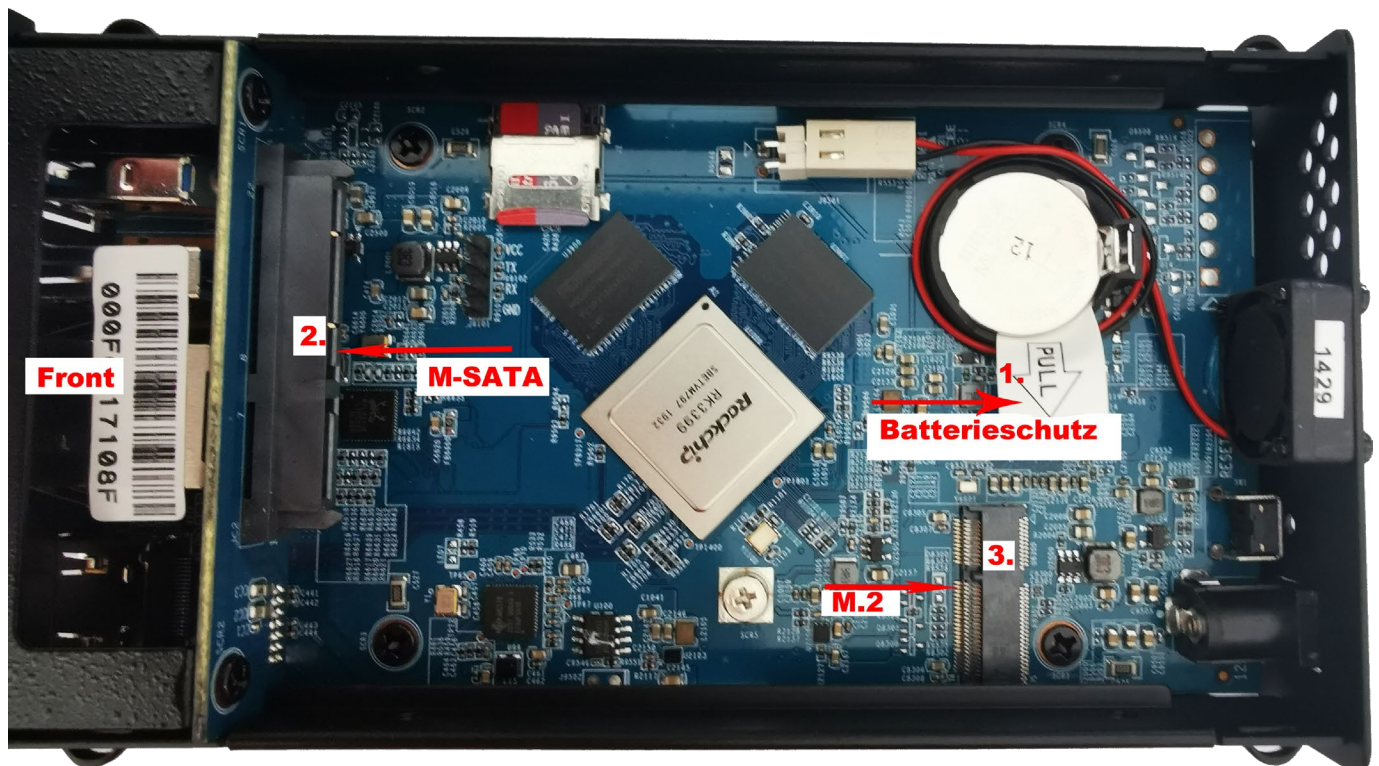


ALL2289

IP: DHCP (Adresse wird automatisch zugeteilt)

### Sehr geehrter Kunde

Dies ist eine Kurzanleitung zur Inbetriebnahme des ALL2289 Videorecorders mit Networkoptix Software. Das Gerät kann aber auch als universelle Server und Linux Appliance genutzt werden. Über den HDMI Anschluss können Sie einen Monitor anschließen, auf welchem Sie einen Debian Desktop zur weiteren Verwendung finden. Auf diesem Gerät ist der NX Server bereits installiert. Sie müssen diesen lediglich im NX Client Software als Server hinzufügen.





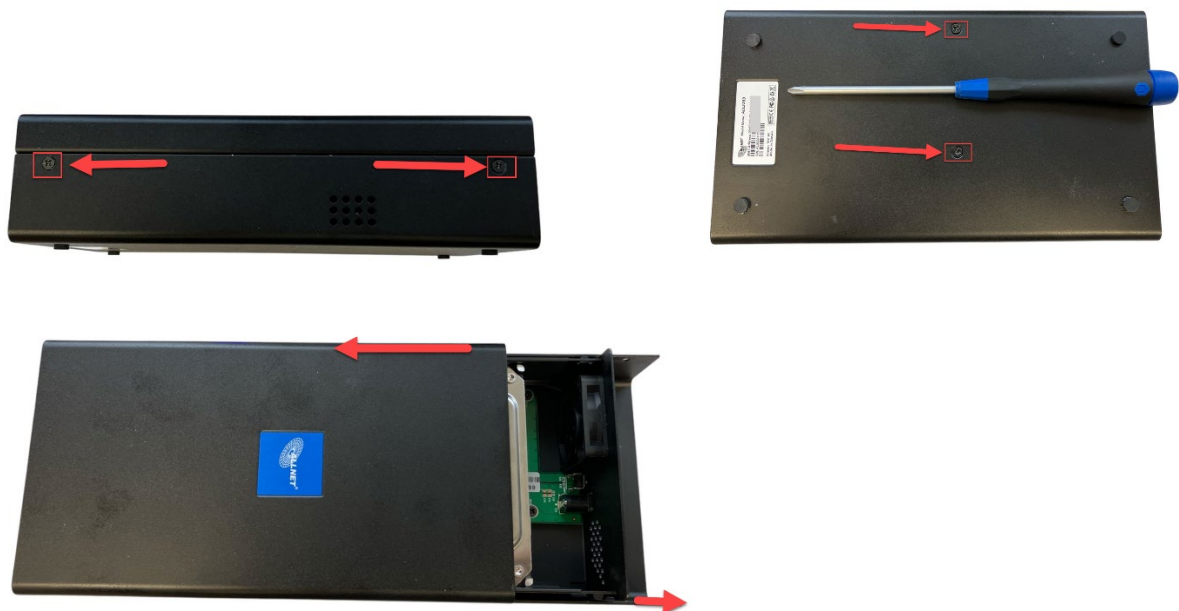
## Installation:

### 1. Festplatten Installation

- Der ALL2289 unterstützt 2,5" oder 3,5" Zoll HDD (keine SSD)
- **WICHTIG:** Die Festplatte muss vorher formatiert werden! Verwenden Sie hierzu NTFS, FAT32 oder exFAT als Dateisystem.

### 2. Schritt 1: Entfernen des ALL2289 Gehäuses

- Auf der Unterseite des ALL2289 befinden sich zwei Gehäuseschrauben, zum lösen des Metallgehäuses Unterteil vom Zwischen-Schacht.
- Zum Öffnen wird ein Kreuzschlitz-Schraubenzieher benötigt
- Nachdem die Schrauben gelöst wurden, kann das Gehäuse heruntergeschoben werden.



### 3. Schritt 2: Installation/Montage der Festplatte

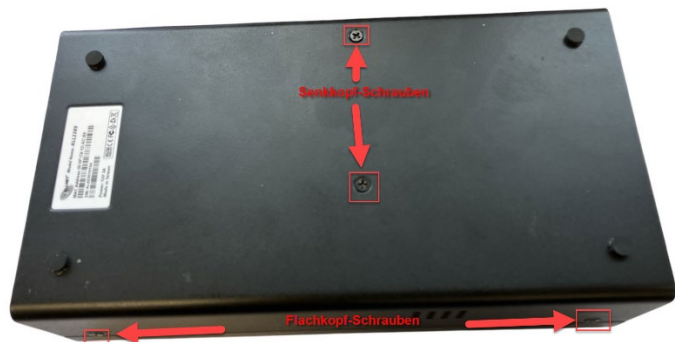
- Als Erstes unter 1. Entfernen Sie den Batterieschutz durch herausziehen
- Nehmen Sie eine 3,5" Zoll HDD/SSD und schieben Sie sie in Richtung des SATA Konnektors 2. zur Front des ALL2289
- Kontrollieren sie den festen Sitz des Konnektors und die Übereinstimmung der Löcher für die Befestigungsschrauben der HDD an der Seite
- Zur Montage der HDD nutzen Sie bitte die im Lieferumfang enthaltenen M3 Schrauben, welche Sie in einem Plastiktütchen finden.





#### 4. Schritt 3: Gehäuse schließen & Montageplatte installieren

- Bitte schieben Sie nun den Innenteil des ALL2289 wieder zurück ins Gehäuse und achten Sie auf die Übereinstimmung der Montagelöcher
- Legen Sie Platte so auf, so dass sie plan auf dem Gehäuse liegt. Die Montagelöcher müssen mit dem Gehäuse übereinstimmen. Drehen Sie nun die Schrauben ein und ziehen Sie sie handfest an.
- Sollten Sie diese Platte nicht benötigen, nutzen Sie die originalen schwarzen Senkkopfschrauben zum Verschließen





#### 5. Anschalten des ALL2289

- Bitte schließen Sie das beiliegende Netzteil an den ALL2289 an. Nutzen Sie niemals ein anderes Netzteil ohne mit unserem Support gesprochen zu haben.
- Der ALL2289 bootet automatisch und besitzt keinen Netzschalter
- Schließen Sie ein RJ45 Kabel an die RJ45 Buchse an, und verbinden Sie dieses mit Ihrem Netzwerk/Router

#### 6. Networkoptix Server und Client

- Der ALL2289 ist ein reiner NX Server. Diesen können Sie nach der Installation dem Start zur Seite legen. **Die automatische Installationsroutine benötigt ca 10-15 Minuten.**
- Den Server finden Sie, wenn Sie einen NX Client aufrufen. Dieser muss mit dem gleichen Netzwerk verbunden sein, wie der NX Server.
- Alle weiteren Informationen zu Networkoptix entnehmen Sie bitte der Networkoptix Webseite: <https://www.networkoptix.com>

#### 7. Der Server ist über Browser unter der IP-Adresse erreichbar, welche vom Router vergeben wird. Diese muss dann folgender Weise in der Adressleiste eingetragen werden.

IP-Adresse: Beispiel 192.168.xxx.xxx:7001

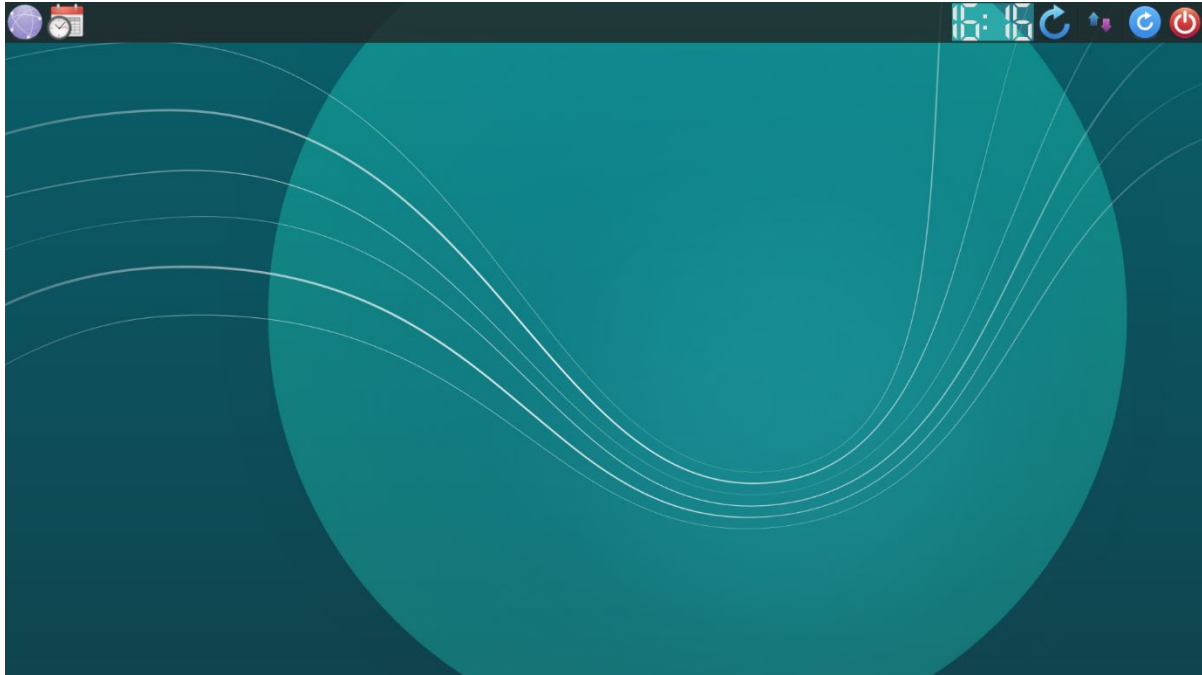
Login: admin PW: muss beim Erstzugriff festgelegt werden (Installation und vergabe über den NX Client)





## Grafisches Benutzerinterface:

Wenn das ALL2289/ALL2288 gebootet ist, sehen Sie folgendes Interface:



Icon	Beschreibung
	<b>Netzwerkverbindungen</b> Verwalten und Ändern Sie Ihre Netzwerkeinstellungen
	<b>Zeit und Datum</b> Ändern der Systemzeit, des Datums und der Zeitzone
	<b>Aktuelle Zeit</b>
	<b>Zeit aktualisieren</b>
	<b>Netzwerkstatus</b>
	<b>ALL2289 neu starten</b>
	<b>ALL2289 ausschalten</b>





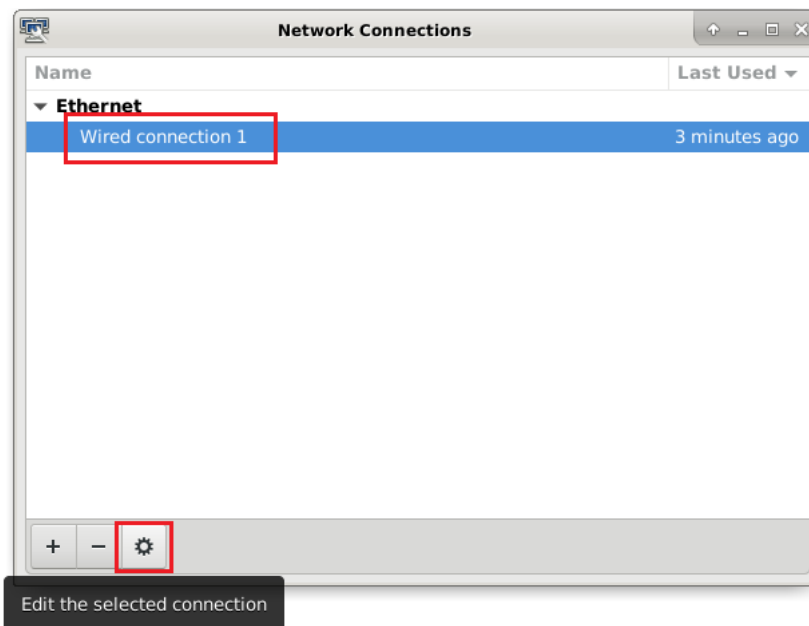




## Netzwerkverbindungen:

Wie ändert man die IP-Adresse des ALL2289?

Klicken Sie auf  und es öffnet sich ein Fenster. Wählen Sie „**Wired connection 1**“ aus und klicken Sie auf .



In den **IPv4-Einstellungen** können Sie die IP-Adresse des ALL2289 anpassen. Die Standardeinstellung ist „**Automatic (DHCP)**“.





Editing Wired connection 1

Connection name:

General Ethernet 802.1X Security DCB Proxy **IPv4 Settings** IPv6 Settings

Method: **Automatic (DHCP)**

**Additional static addresses**

Address	Netmask	Gateway	
			Add
			Delete

Additional DNS servers:

Additional search domains:

DHCP client ID:

Require IPv4 addressing for this connection to complete

Routes...

Cancel Save

Wählen Sie „**Manual**“ in der „**Method**“-Liste aus. Hier können Sie eine IP-Adresse durch klicken auf „**Add**“ hinzufügen. Klicken Sie auf „**Save**“, um die Änderungen zu speichern.

Editing Wired connection 1

Connection name:

General Ethernet 802.1X Security DCB Proxy **IPv4 Settings** IPv6 Settings

Method: **Manual**

**Addresses**

Address	Netmask	Gateway	
192.168.1.100	24	192.168.1.1	Add
			Delete

DNS servers:

Search domains:

DHCP client ID:


Require IPv4 addressing for this connection to complete

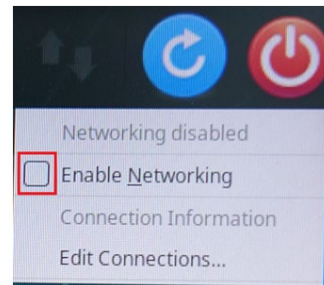
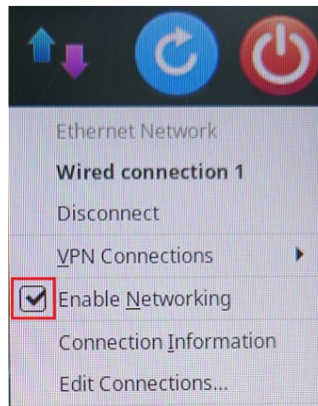
Routes...

Cancel Save




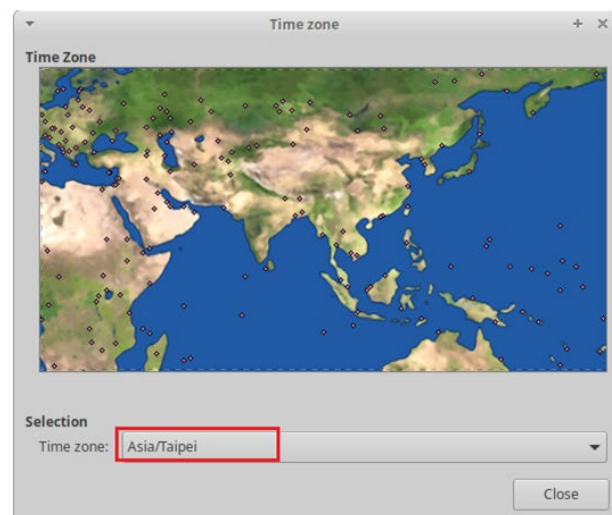
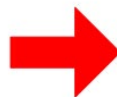
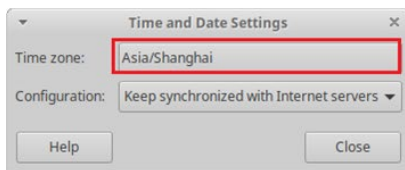


Bitte beachten Sie, dass Sie auf  klicken müssen, um „Enable Networking“ abzuwählen. Haken Sie „Enable Networking“ wieder an und prüfen Sie, ob die IP-Einstellungen übernommen wurden.



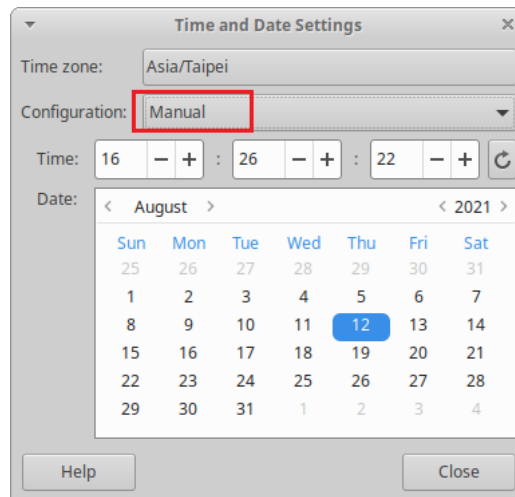
### Zeit und Datum:


Klicken Sie auf  und es öffnet sich ein Fenster. Klicken Sie anschließend auf „Time zone“ und wählen Sie Ihre Zeitzone aus.





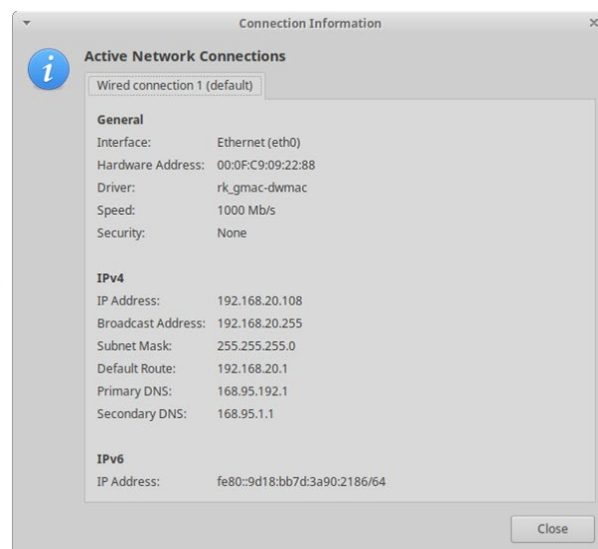
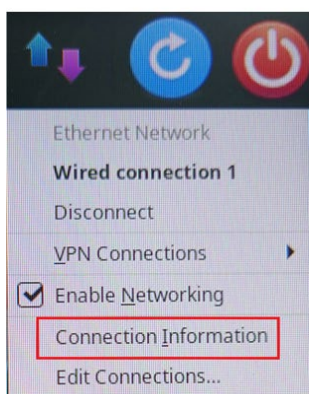
Wählen Sie unter „**Configuration**“ den Punkt „**Manual**“ aus und konfigurieren Sie Zeit und Datum manuell.



Nachdem Sie Zeit und Datum konfiguriert haben, müssen Sie auf  klicken, um die korrekte Uhrzeit im Panel anzeigen zu lassen.


### Netzwerkstatus:

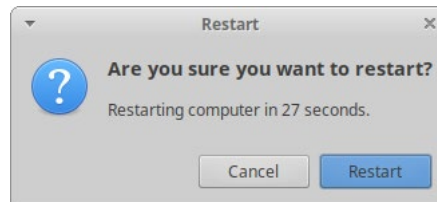
Klicken Sie auf  und wählen Sie „**Connection Information**“. Es öffnet sich ein Fenster mit den Netzwerkinformationen vom ALL2289.






### Neustart:

Klicken Sie auf  und es erscheint ein Fenster. Klicken Sie auf „**Restart**“, um einen Neustart durchzuführen.



### Herunterfahren:

Klicken Sie auf  und es erscheint ein Fenster. Klicken Sie auf „**Shut Down**“, um das Gerät herunterzufahren.

### Kommandozeile:

Die Kommandozeile können Sie mit folgenden Tastenbefehl aufrufen:

**STRG + ALT + F1**

Die Zugangsdaten hierfür sind:

Benutzername: **allnet**

Passwort: **@llnet123** oder **allnet123** (je nach installierter Firmware)

### GUI-Oberfläche:

Die Kommandozeile können Sie mit folgenden Tastenbefehl aufrufen:

**STRG + ALT + F7**

### Viel Erfolg bei der Installation

**Sollten Sie Fragen haben, dürfen Sie sich gerne an das ALLNET Team oder den ALLNET Support wenden.**

**Euer ALLNET Team**

E-Mail-Adresse: [support@allnet.de](mailto:support@allnet.de)





## Bei Problemen/ FAQ

- Das Display startet nicht: Bitte überprüfen Sie die Stromversorgung. Steckt das Kabel des Netzteils richtig im Gerät? Überprüfen Sie bitte auch den Kaltgerätestecker im Netzteil. Bei der Stromversorgung über PoE (Power over Ethernet): Bitte kontrollieren Sie den RJ45 Stecker ob er richtig eingeklickt ist. Das Kabel sollte mindestens Cat5e für Displays bis 15 Zoll und Cat6 für Displays ab 15 Zoll entsprechen um die Leistung zu übertragen. Kontrollieren Sie bitte ob der Switch genügend Leistung zur Verfügung stellt und ob das Display an einem PoE Port angeschlossen ist. Nur Standard konformes PoE darf verwendet werden. Bei passivem PoE kann ihr Display zerstört werden. Hierfür wird keine Garantie übernommen.
- Ich bekomme keine Ethernet/ Internet Verbindung: Bitte schalten Sie das WLAN aus. Schalten Sie die Ethernet Verbindung aus und wieder an und kontrollieren Sie die IP Adress-Einstellungen, ob sie eine statische IP eingestellt haben. Die Wlan Verbindung und Bluetooth sollten bei Nichtbenutzung immer auf deaktiviert stehen um Probleme zu vermeiden.
- Updates sind nicht automatisch und über OTA (Over the Air) zu bekommen. Sollten Sie hierzu Fragen haben, bitte auch an den Support wenden.

**For more information and help, see the User Manual for ALL2289 at <http://www.allnet.de/downloads.html> or the Service Portal at <http://service.allnet.de>**

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[www.allnet.de/downloads.html](http://www.allnet.de/downloads.html)

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Email: [info\(at\)allnet.de](mailto:info@allnet.de)





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## CE-Declaration of Conformity

For the following equipment:



Germering, 22th of January, 2021

### **ALLNET ALL2289**



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 ALL2289 conforms to the Directives of 2014/53/EU.

This equipment meets the following conformance standards:

**EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013**

**EN62311:2008**

**ETSIEN301 489-1 V2.2.0 (2017-03)**

**ETSIEN301 489-17 V3.2.0 (2017-03)**

**ETSIEN300 328 V2.1.1 (2016-11)**

**ETSIEN301 893 V2.1.1 (2017-05)**

This equipment is intended to be operated in all countries.

This declaration is made by

ALLNET GmbH Computersysteme  
Maistraße 2  
82110 Germering  
Germany

Germering, 22.01.2021

  
Wolfgang Marcus Bauer  
CEO







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