



**Manual ALL2288 Art.Nr.:
200625/200656**





- **Technical Information**

- RK3399, Six-core (Dual-core A72+quad-core A53,1.8G,RK3399)
- Linux Ubuntu
- 2/4GB RAM
- 16GB SD card
- Ethernet 100/1000M RJ45
- WLAN only via USB adapter
- Bluetooth only via USB adapter
- HDMI output
- 1x USB 2.0/ 1x USB 3.0
- Dimensions: 28mm(H)x145mm(L)x84mm(W)
- Adapter:12V/2A
- Temperature operation: 0 ~ 40 °C
- Operating humidity: 10% ~ 90% (non-condensing)
- Storage temperature: 0 ~ 80 °C
- Storage humidity: 10% ~ 90% (non-condensing)
- Weight 0.89 kg
- Marking: Ce/RoHS





Important warnings:

- The device is intended for indoor use only.
- To reduce the risk of fire or electric shock, avoid contact with rain, water and moisture.
- Do not block the ventilation openings on the back of the unit at any time.
- Do not subject the unit to strong vibrations.
- Prevent foreign objects from falling through the ventilation openings.
- Do not open the housing of the device during operation. There is a risk of electric shock.

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Intended Use:

The ALL2288 video server/Linux Arm platform is suitable for both commercial and residential use. The ALL2288 is loaded with a pre-installed video server from Networkoptix (networkoptix.com) and is primarily used to display video streams and monitor objects. Nevertheless, the device also has an Ubuntu-based Linux with desktop interface installed. This means that the device is also capable of running Linux programs. This device complies with CE and FCC regulations.

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



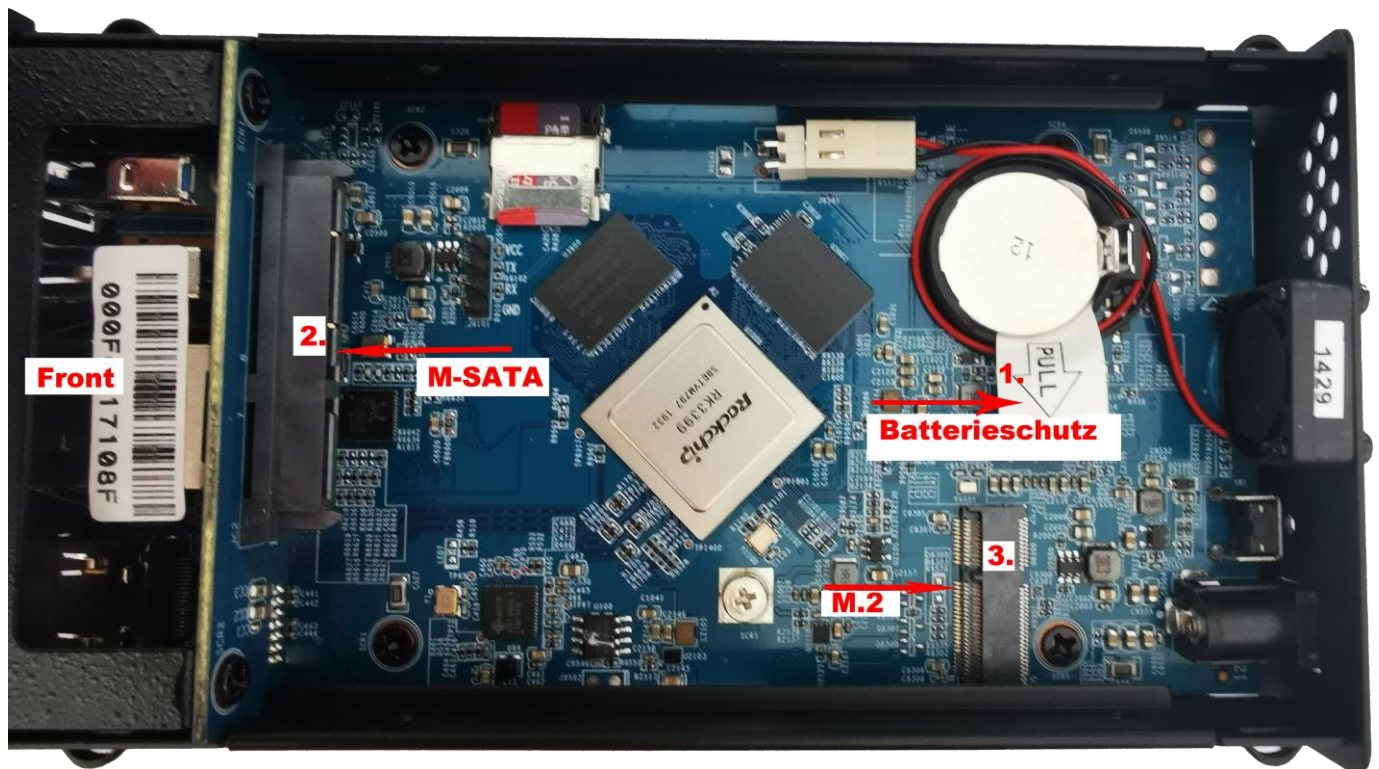


ALL2288

IP: DHCP (address is assigned automatically)
Username&Password Linux: firefly

Sehr geehrter Kunde

This is a quick start guide for the ALL2288 video recorder with Networkoptix software. The device can also be used as a universal server and Linux appliance. Via the HDMI port you can connect a monitor, on which you will find a Debian desktop for further use.





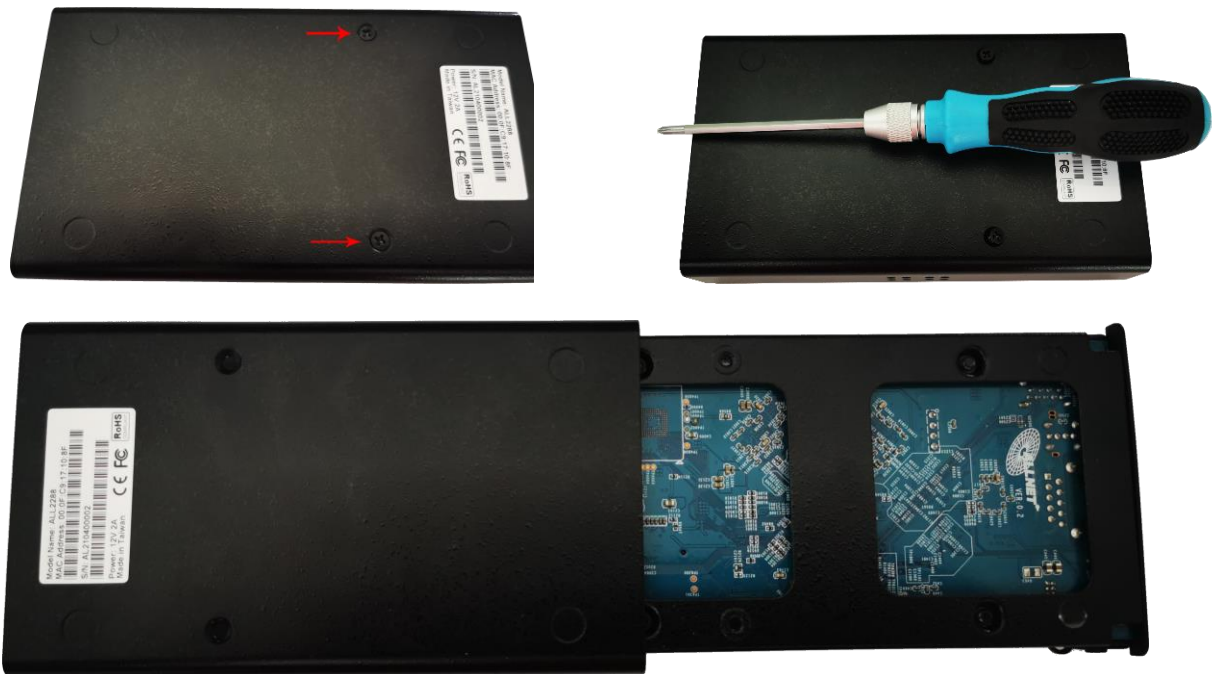
Installation:

1. hard disk installation

- The ALL2288 supports only 2.5" inch HDD/SSD.
- Max. Height should be < 9.7mm

Step 1: Removing the ALL2288 enclosure

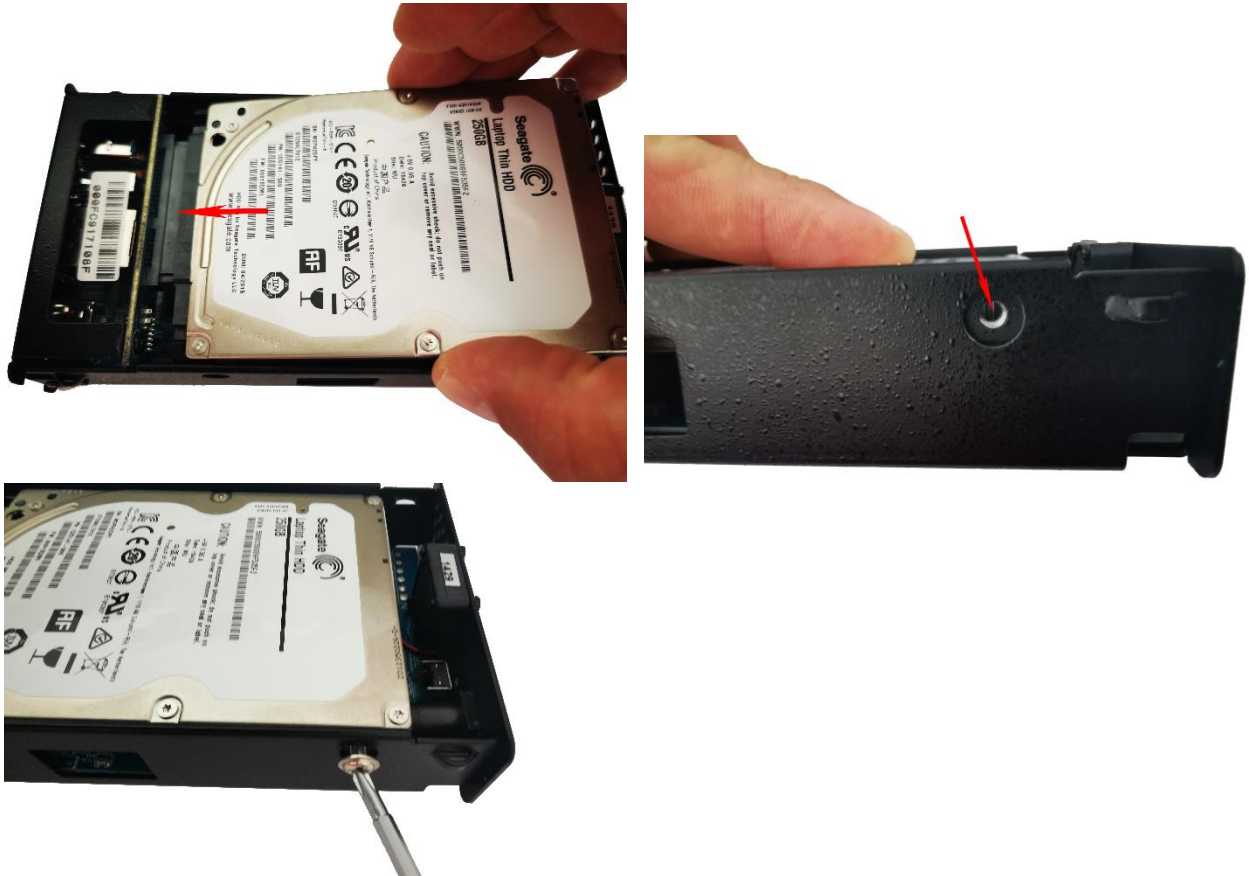
- On the bottom side of the ALL2288 there are two case screws, to loosen the metal case
- A Phillips screwdriver is needed to open them
- After the screws are loosened, the housing can be slid down.



Step 2: Install/mount the hard disk

- First under 1. remove the battery cover by pulling it out.
- Take a 2.5 inch HDD/SSD and slide it towards the SATA connector 2. to the front of the ALL2288
- Check the tightness of the connector and the alignment of the holes for the HDD/SSD mounting screws on the side.
- To mount the HDD, please use the included M3 screws, which you can find in a plastic bag.





Step 3: Close housing & install mounting plate

- Please slide the inner part of the ALL2288 back into the housing and make sure that the mounting holes are aligned.
- If you need the enclosed mounting plate, you can attach it right away by using the longer M3 flat head screws.
- Place the plate so that it lies flat on the housing. The mounting holes must be aligned with the housing. Now screw in the screws and tighten them hand-tight.
- If you do not need this plate, use the original black countersunk screws to close it.





1. switching on the ALL2288

- Please connect the enclosed power supply to the ALL2288. Never use another power supply without talking to our support.
- The ALL2288 boots automatically and has no power switch.
- Connect a RJ45 cable to the RJ45 socket and connect it to your network/router.

2. networkoptix server and client

- The ALL2288 is a pure NX server. You can put it aside after the installation. The automatic installation routine needs about 10-15 minutes.
- You will find the server when you call an NX client. The client must be connected to the same network as the NX server.
- All further information about Networkoptix can be found on the Networkoptix website: <https://www.networkoptix.com>.

3. the server is accessible via browser under the IP address, which is assigned by the router. This must be entered in the address bar as follows.

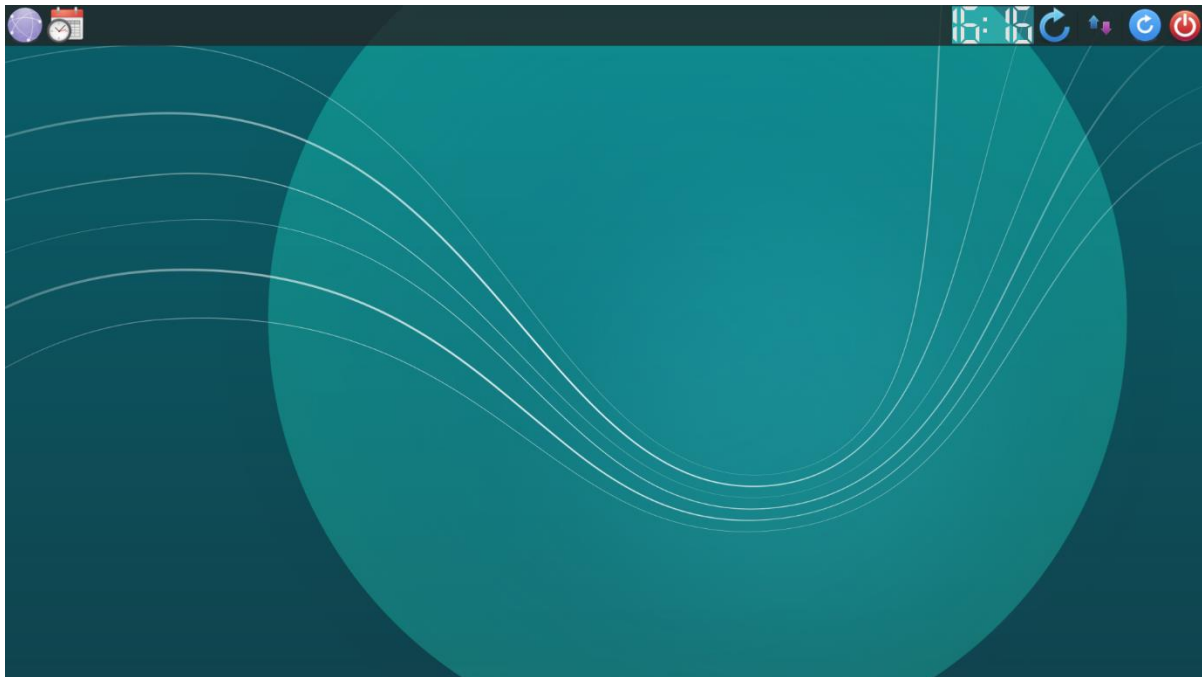
IP address: Example 192.168.xxx.xxx:7001
Login: admin PW: admin

Graphical Userinterface:





When the ALL2288/ALL2285 is booted, you will see the following interface:



Icon	Beschreibung
	Network Connections
	Manage and change your network settings
	Time and date
	Change the system time, date, and time zone
	Current time
	Update time
	Network status

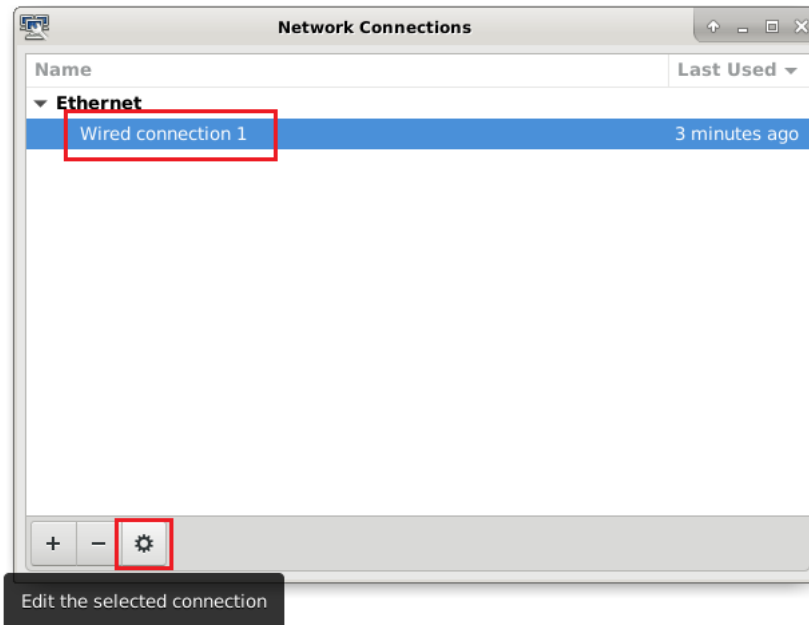
Network Connection:





How to change the IP address of the ALL2288/ALL2285?

click on  and a window will open. Select "Wired connection 1" and click on



In the IPv4 settings you can adjust the IP address of the ALL2288/ALL2285. The default setting is "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

Select "**Manual**" in the "**Method**" list. Here you can add an IP address by clicking on "**Add**". Click on "**Save**" to save the changes.

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

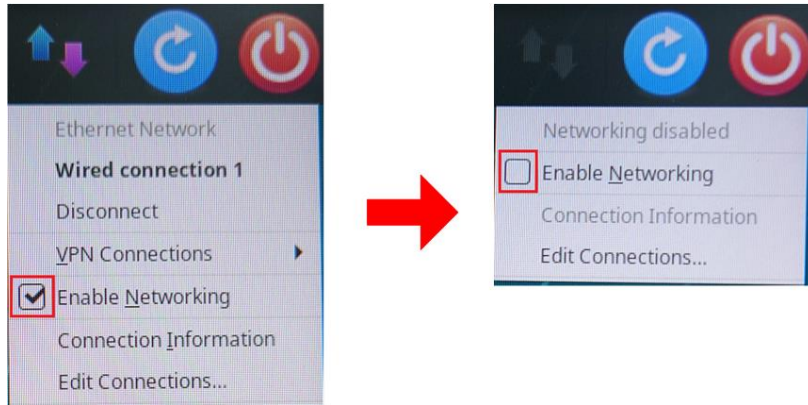
Routes...

Cancel Save



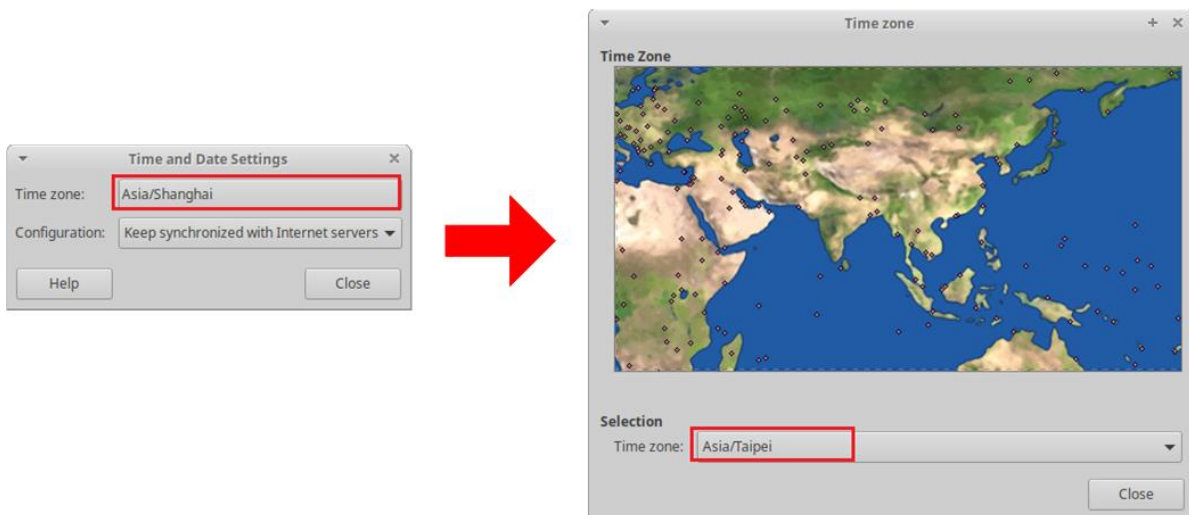


Please note that you can access  to deselect "Enable Networking". Check "Enable Networking" again and check if the IP settings have been applied.



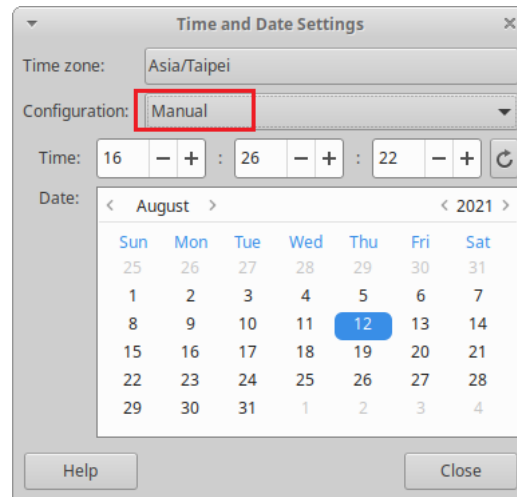
Zeit und Datum:


Click  and a window will open. Then click on "Time zone" and select your time zone.



Select "Manual" under "Configuration" and configure the time and date manually.

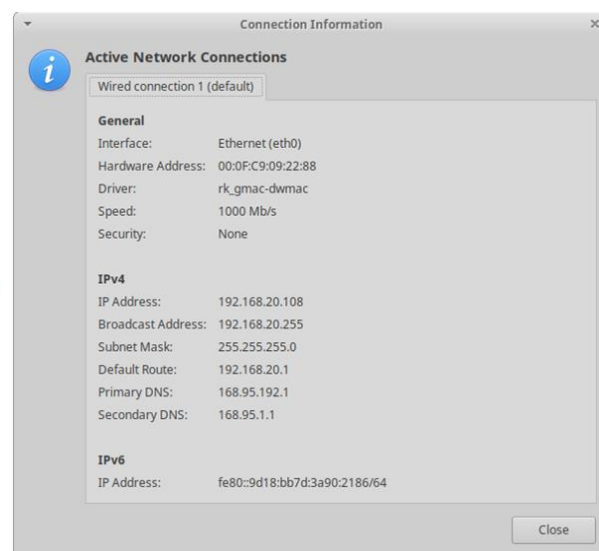
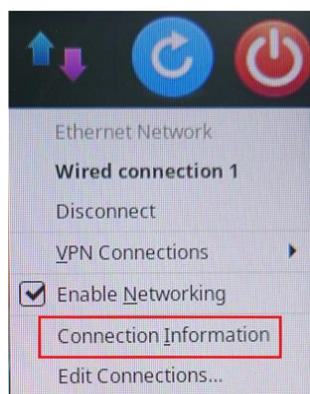




After you have configured the time and date, you must click on  to display the correct time in the panel.

Network status:

Click on and select "Connection Information". A window opens with the network information of the ALL2288/ALL2285.

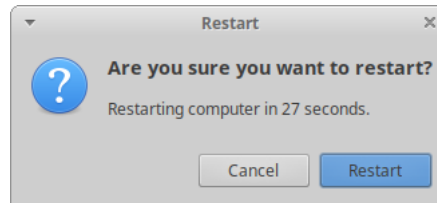


Restart:





Click  and a window will appear. Click on "Restart" to perform a restart.



Shutdown:

Click  and a window appears. Click on "Shut Down" to shut down the device.

Good luck with the installation

If you have any questions, please feel free to contact the ALLNET Team or ALLNET Support.

Your ALLNET Team

Email: support@allnet.de

In case of problems/ FAQ

- The display does not start: Please check the power supply. Is the cable of the power supply unit plugged into the device correctly? Please also check the cold-device plug in the power supply unit. If power is supplied via PoE (Power over Ethernet): Please check the RJ45 connector if it is clicked in correctly. The cable should be at least Cat5e for displays up to 15 inches and Cat6 for displays 15 inches and above to transmit the power. Please check if the switch provides enough power and if the display is connected to a PoE port. Only standard compliant PoE may be used. With passive PoE your display can be destroyed. There is no warranty for this.
- I can't get an Ethernet/Internet connection: Please turn off the WLAN. Turn the Ethernet connection off and on again and check the IP address settings to see if you have set a static IP. The WLAN connection and Bluetooth should always be set to disabled when not in use to avoid problems.
- Updates are not automatic and are available via OTA (Over the Air). If you have any questions, please contact the support.





For more information and help, see the User Manual for ALL2288 at <http://www.allnet.de/downloads.html> or the Service Portal at <http://service.allnet.de>

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Declaration CE/Mark



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For the following equipment:



Germering, 22th of January, 2021

ALLNET ALL2288



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The ALLNET ALL2288 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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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:





Gnomovision version 69, Copyright (C) year name of author
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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence





the version number 2.1.]

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.





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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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