

Quick guide

ALLNET Desktop PoE Display

ProductNo.: 10 inch (231209)

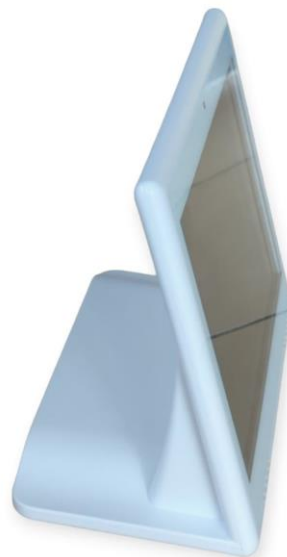




Table of contents

Package contents	3
General information	3
Target group of the operating instructions	3
Conventions and symbols	3
Chapter heading	3
Warnings	4
Guidelines and standards	5
Disposal of the packaging	6
Packaging Ordinance	6
Disposal of the device	6
General security	7
Safety instructions for handling the plug-in power supply unit	7
Safety instructions for setting up the appliance	8
Safety instructions for operating the device	8
Safety instructions for repair and maintenance	9
Intended use	10
Operating conditions	10
Frequency data	10
Technical details	11
PoE power supply	12
Dimensions	13
Service	14
CE	36

Package contents

Please check the contents of the packaging before proceeding with the commissioning of the display.

- ALLNET Desktop PoE Display
- 12V power supply unit
- Printed quick guide

General information

The device is a display that can be operated with Android or Linux. Power is supplied via a power supply unit or PoE (power via network cable). Changes to the operating instructions and the functions described are possible at any time and do not require the consent of third parties and are not covered by the warranty. If you have any questions about specific functions, please contact our sales department.

Target group of the operating instructions

The operating instructions are intended for any person using the device.

- set up,
- served,
- cleans or
- disposed of.

Conventions and symbols

The following text formats are used in these instructions. These serve to increase the clarity of the instructions.

Chapter heading

Subheading

Simple text

Important information in plain text

Designates buttons, components, functions

Warnings

The warnings in these operating instructions are structured according to the following scheme:



The signal word "**DANGER**" indicates a warning of immediate danger to life!



The signal word "**WARNING**" indicates a warning of possible danger to life and/or serious irreversible injuries!



The signal word "**CAUTION**" indicates a warning of possible moderate or minor injuries!



The signal word "**CAUTION**" indicates possible material damage.



"**Note**" indicates useful or important information about the product.

Guidelines and standards



This device complies with the following directives:

- EMC Directive 2014/30/EU
- Radio Equipment Directive 2014/53/EU
- Eco-Design Directive 2009/125/EC
- RoHS Directive 2011/65/EU.

Hereby, ALLNET Computersysteme GmbH declares that the ALLNET PoE Displays are in compliance with the essential requirements and other relevant provisions of the following directives and Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following Internet address: <http://ce.allnet.de> and at the end of the instructions.



- EMC Directive 2014/30/EU
- Radio Equipment Directive 2014/53/EU
- Eco-Design Directive 2009/125/EC
- RoHS Directive 2011/65/EU.

ALLNET Computersysteme GmbH hereby declares that the ALLNET PoE Displays is in compliance with the essential requirements and other relevant provisions of the following Directives and Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following Internet address: <http://ce.allnet.de> and at the end of the instructions.

EU contact details:

ALLNET GmbH Computersysteme Maistrasse 2 82110 Germering

Phone +49 (0)89 894 222 - 22

Fax +49 (0)89 894 222 - 33

Email: info@allnet.de

Disposal of the packaging



Choking hazard due to foil and other packaging materials. Do not leave the packaging and its parts to children. Dispose of the packaging in an environmentally friendly manner. Ask the dealer or the municipal waste disposal facility about options for disposing of the packaging in an environmentally friendly and appropriate manner.

Packaging Ordinance

This product contains the following materials:
Outer packaging: cardboard box PP02
Inner packaging: Polyethylene PE04
Other: Paper

Disposal of the device



Old appliances are not worthless waste. Valuable raw materials can be recovered through environmentally friendly disposal. This appliance is labeled in accordance with Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). At the end of its service life, this product must not be disposed of with normal household waste, but must be handed in at a collection point for the recycling of electrical and electronic equipment. This is indicated by the symbol on the product, the instructions for use or the packaging. The materials are recyclable according to their labeling. The reuse, recycling or other forms of recovery of old appliances make an important contribution to protecting the environment. Ask your dealer or local waste disposal facility about the options for disposing of the appliance in an environmentally friendly and appropriate manner.



As a consumer, you are obliged to take all batteries and rechargeable batteries, regardless of whether they contain harmful substances or not, to a collection point in your municipality/district or to a retailer so that they can be disposed of in an environmentally friendly manner.



Permanently installed appliance batteries or rechargeable batteries may remain in the appliance when disposed of via the collection point.

General security

ACHTUNG




The product is intended solely for the purpose for which it was designed. Only use the product as described in the operating instructions. Any other use is considered improper and may result in material damage.

The manufacturer or dealer accepts no liability for damage caused by improper or incorrect use. All safety instructions must be read carefully and these operating instructions must be kept for future reference. All warnings and instructions in these operating instructions must be followed.

Keep the operating instructions and pass them on to any subsequent owner.

GEFÄHR Safety instructions for handling the plug-in power supply unit

The plug-in power supply unit may only be connected to a **mains voltage of 100-240 V~, 50/60 Hz**. Never operate the plug-in power supply with any other voltage.

-  ACHTUNG Only use power supply units that are approved for this device.
- Only connect the plug-in power supply unit after the installation has been completed correctly.
-  ACHTUNG Only connect the appliance to a properly installed and earthed mains socket. The mains voltage must match the specifications on the appliance's rating plate.
- The socket outlet should be as close as possible to the appliance.
- Avoid the use of multiple sockets. Ensure that the mains cable or plug is always easily accessible so that the appliance can be quickly disconnected from the power supply.
- Lay the power cable so that no one can trip over it.
- Plug the mains adapter fully into the socket.
-  WARNUNG Do not touch the plug-in power supply unit with wet hands, risk of electric shock.
- If the plug-in power supply unit is defective or if the appliance is damaged in any other way, it must not be put into operation.
- Do not pull the plug-in power supply unit out of the socket by the cable.
- The appliance remains connected to the mains even when it is switched off. Unplug the mains adapter from the socket if the appliance is to be used for a longer period of time.

period is not used.

- In the event of malfunctions or smoke and odors from the housing, immediately unplug the power supply unit from the socket.

(⚠) WARNUNG

Safety instructions for setting up the appliance

- DO NOT place the appliance near radiators, air conditioners or water sources. Otherwise there is a risk of electric shock, short circuits or fire, as water may come into contact with the appliance.
- Make sure that the humidity is between 20 % and 80 % and that no condensation forms.
- Ensure that the device is NOT exposed to direct sunlight, extreme heat, naked flames or dust. Otherwise there is a risk of electric shock, short circuit or fire.
- The device is designed for use in closed rooms.
- The openings on the back of the appliance are used for ventilation to prevent the appliance from overheating. These must always be kept clear.
- To avoid damage, always place the product securely.

/// VORSICHT

Safety instructions for operating the appliance

- Read these operating instructions carefully before using the appliance!
- The device can only be operated with the voltage described on the back and on the power supply unit.
- Replace any existing batteries only with the same or an equivalent battery.
Battery type
- Do not use any appliances that are obviously faulty. If the appliance does not work normally - especially if unusual noises or odors occur - unplug the power plug from the socket immediately.
- If the cables are damaged, the appliance must no longer be used.
- Do not place the appliance on an unstable surface. The appliance could be damaged or people could be injured. Any fixings should only be fitted in accordance with the manufacturer's instructions or obtained from the manufacturer.
- Do not expose the device and the remote control to direct sunlight. This impairs the function and could lead to damage
- Do not use the appliance in a damp environment or near gas flames, hotplates or other hot objects.

- Keep the appliance dry.
- Protect the device from the effects of weather such as wind, rain, humidity and moisture.
- Do not permanently display a still image. This could damage the display.
- Do not open the housing, but contact your specialist dealer or the manufacturer for repairs.
- Work may only be carried out on the appliance if it is disconnected from the power source.
was separated.
- Ensure that the appliance is only operated by persons who have read the instructions or have been instructed in its operation by a competent person.

**ACHTUNG**

Safety instructions for repair and maintenance

- Repairs and maintenance work may only be carried out by customer service or by specialist personnel authorized by the manufacturer. Incorrect repairs can result in considerable danger to the user.
- Regular maintenance by the manufacturer is not necessary.
- Never attempt to repair a defective appliance yourself. Always contact one of our customer service centers.
- Do not open the appliance under any circumstances. This may only be carried out by customer service or by specialist personnel authorized by the manufacturer. Otherwise there is a risk of electric shock.
- Operators may only rectify faults themselves if they are obviously due to operating errors.
- Clean the display regularly.
- Disconnect the mains plug from the socket before cleaning.
- Do not use liquid cleaners or cleaning sprays. The appliance may only be cleaned with a damp cloth.
- It is prohibited to make modifications to the appliance.
- Damaged devices or damaged accessories may no longer be used.



Intended use

The tablet is suitable for both commercial and private use.

We cannot accept any liability for non-functioning third-party apps from the Playstore and this is not a defect or warranty case. If you do not have in-depth experience with the Android operating system, please contact our hotline beforehand. The tablet is a wall display with operating system and can be supplied with power via PoE or power supply unit. A battery is not integrated. The operating system is Android (installed), Linux can be installed (n. installed). This device complies with CE regulations.

The manufacturer accepts no liability for damage caused by improper use. Read the operating instructions carefully before commissioning. Only then can all functions be used safely and reliably.

Operating conditions

The device is designed for use in enclosed spaces and must be protected from excessive dust, extreme temperatures, moisture and condensation. The environmental requirements are specified as follows: **Operating conditions:**

Temperature 0° - +40°

Humidity 20% - 80% non-condensing

Storage conditions:

Temperature 0° - +60°

Humidity 10% - 90% non-condensing

Frequency data

Operating Frequency	2402-2480MHz, 2412-2472MHz; 5150-5250MHz, 5250-5350MHz, 5470-5745MHz, 5745-5825MHz
Modulation type	BT(BLE):GFSK 2.4GWIFI; 802.11b:DQPSK, DBPSK, CCK 802.11g/n: 64-QAM, 16-QAM, QPSK, BPSK 5GWIFI: 802.11a/n:64-QAM, 16-QAM, QPSK, BPSK 802.11ac:256-QAM, 64-QAM, 16-QAM, QPSK, BPSK
Bluetooth Version	V5.0
Hardware Version	V1.0
Software Version	V1.0
Antenna designation	PIFA Antenna(Temporary RF connector provided by manufacturer) RP-SMA Male Whip Antenna
Antenna Gain	BT: 2dBi 2.4GHz WIFI:2dBi 5GHz WIFI:2dBi

Technical details

- RK3568, Quad-core (Quad-core A55, 2.0GHz)
- Resolution: 1280x800 10" inch
- Android 13 with Google license
- 10-point capacitive multi-touch screen
- for 10" inch 8GB/64GB
- Microphone (no echo suppression or noise canceling!)
- Ethernet 100/1000M RJ45 PoE IEEE802at
- WLAN Wi-Fi 6(IEEE 802.11 2.4/5GHz a/b/g/n/ac/ax)
- Bluetooth 5.0 (2.4GHz)
- 2x3W loudspeaker
- HDMI output
- USB3.0 Host/ USB OTG (Upgrade)/ SD Card
- VESA 75x75 for 10"/ 12" / 14"/ 15"/ 18"
- Vesa 100x100 for 21"
- Power supply unit: 12V
- Operating temperature: 0 ~ 40 °C
Operating humidity: 10% ~ 90% (non-condensing) Storage temperature: 0 ~ 80 °C
Storage humidity: 10% ~ 90% (non-condensing)
- Labeling: Ce/RoHS

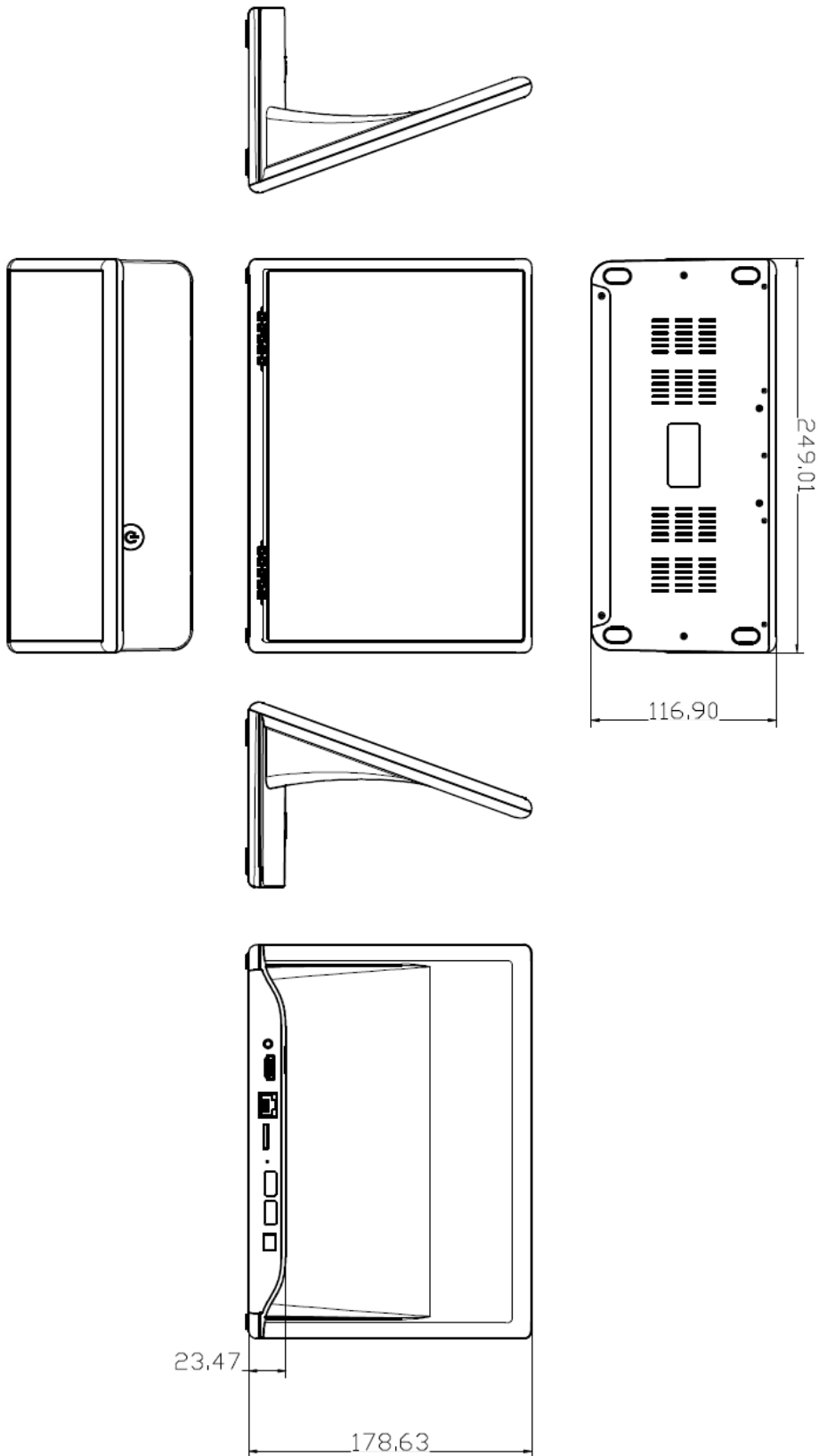
Plug-in power supply	
Manufacturer	Shenzhen Green Power Electronic Technology Co.,Ltd Address : Room 201,101,301 of No.39 Room 201 of No.40 the 3rd Industrial Park,lisonglang Community,Gongming Office,Guangming District,518106,ShenZhen city,Guangdong Province,China
Type	MR-0502000EU-04
Input voltage	100 - 240 V
Input frequency	50 - 60 Hz
Input current strength	0.8A
Output voltage	12 V
Output current	2.5 A
Output power	30 W
Average efficiency in operation	87,50%
Efficiency at low load (10 %)	87,50%
Power consumption at no load	0,075 W
Energy efficiency class	VI

PoE power supply

Class	Device	Standard	Output voltage	Max. output current during operation	Max. power supply (PSE)	Minimum power withdrawal (PD)
0		IEEE 802.3af	36 - 57 V	350 mA	15,4 W	0,44 - 12,96 W
1					4,0 W	0,44 - 3,84 W
2					7,0 W	3,84 - 6,49 W
3	10-14 inch				15,4 W	6,49 - 12,95 W
4	15-21 inch	IEEE 802.3at	42,5 - 57 V	600 mA	25,5 W	12,95 - 25,50 W
5		IEEE 802.3bt	42,5 - 57 V	2× 960 mA	45 W	40 W
6					60 W	51 W
7					75 W	62 W
8					90 W	71 W

Dimensions

Tablet 10 inch Desktop L-Type



Operation

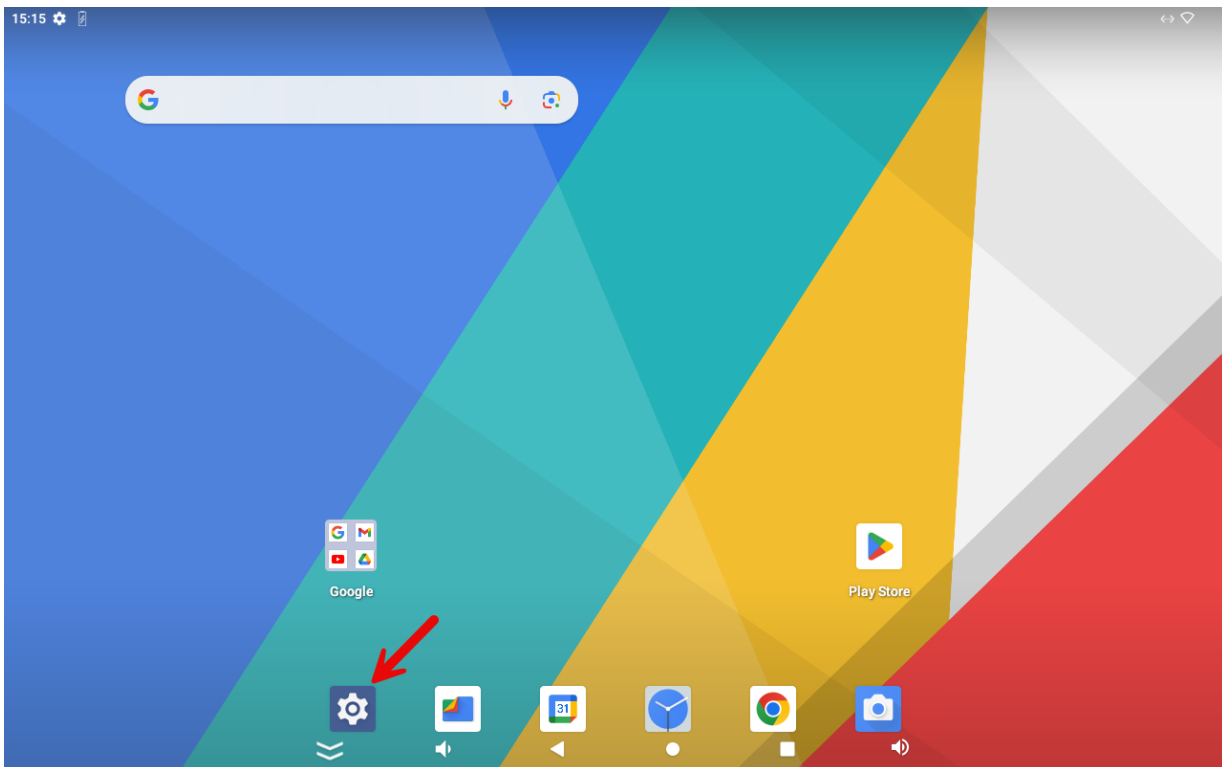
This is a guide for Android in general and for special functions of ALLNET displays. The display is a certified Google device.

Connect the tablet to the power supply. The tablet starts automatically.

Switching off the touch power button on the front

You can deactivate the Power Touch Button in the software. To do this, please go to the settings and select General Settings. The "Touch button enable" item deactivates or activates the power button on the front.

This function is essential when installed in a wall as otherwise the tablet can only be switched on/off via the power supply. The physical switch on the back is always active.



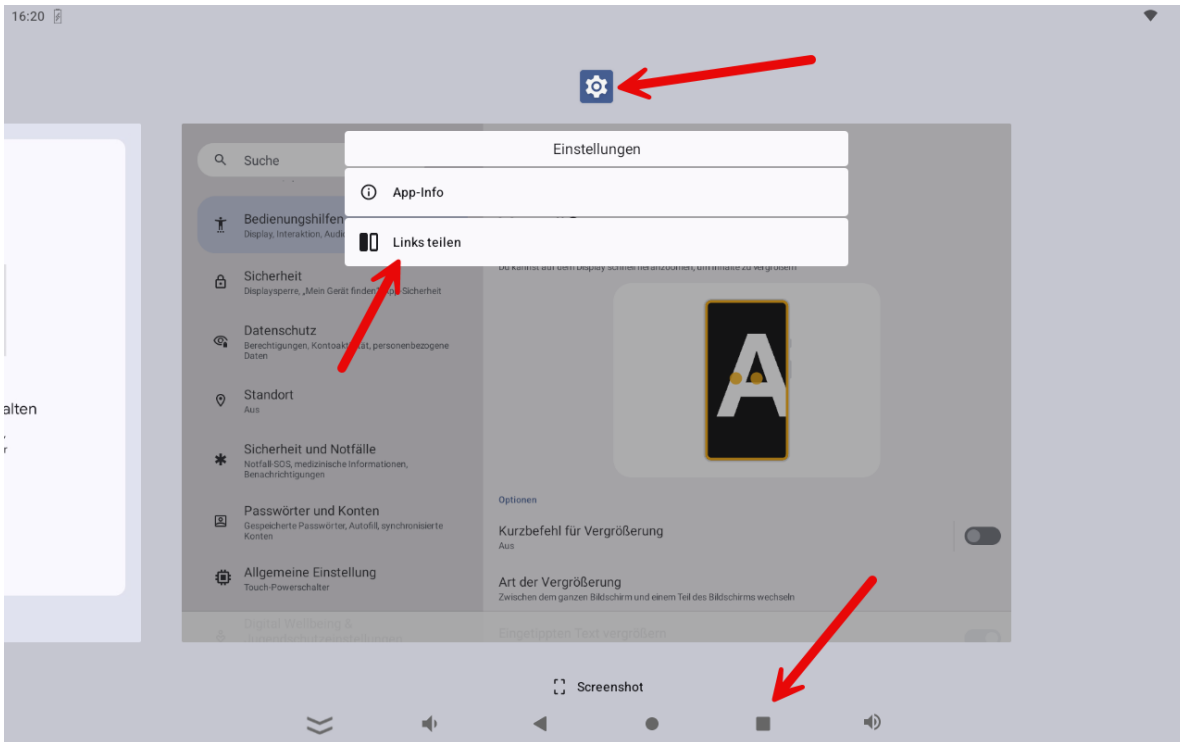
Automatic start of an application

Unfortunately, this function is not available in the certified version. You will have to use an app from the Playstore. E.g. AutoStart.

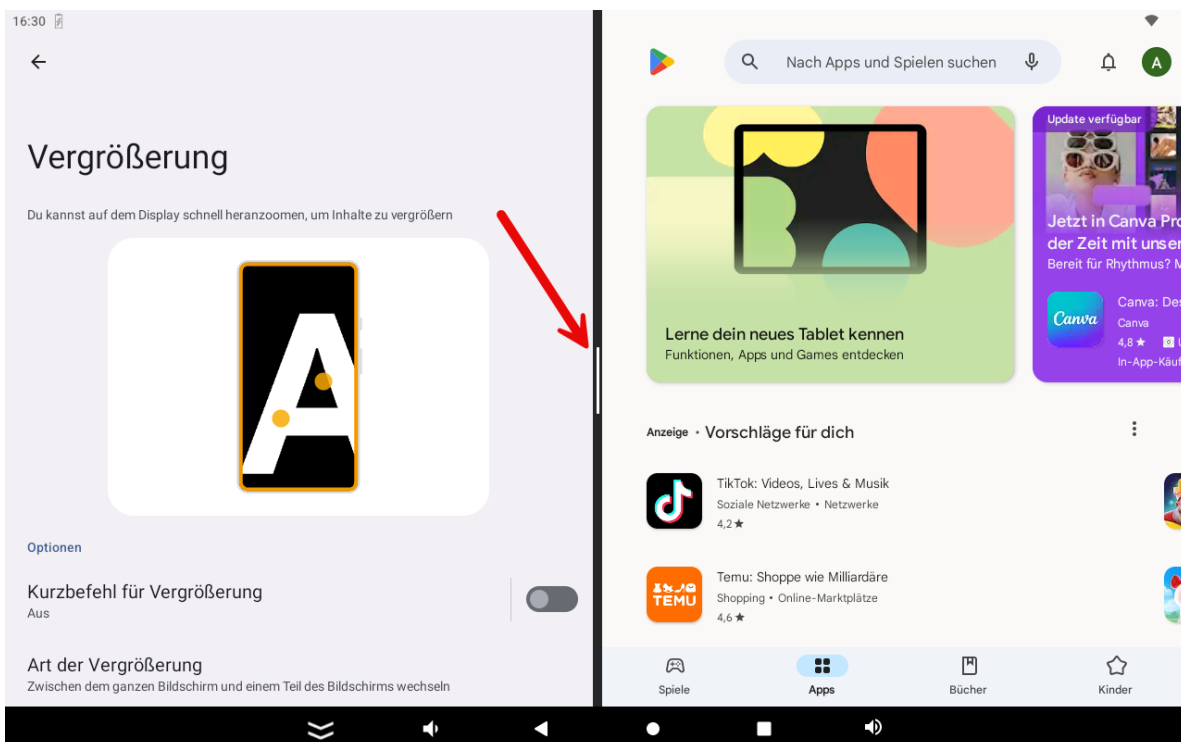
Split screen or split screen

To display two apps next to each other at the same time, the apps must have been open for the first time. Then click on the square and on the symbol at the top center. Click on Split left.

Now select the second app to be shared on the screen.



The division ratio can now be changed.

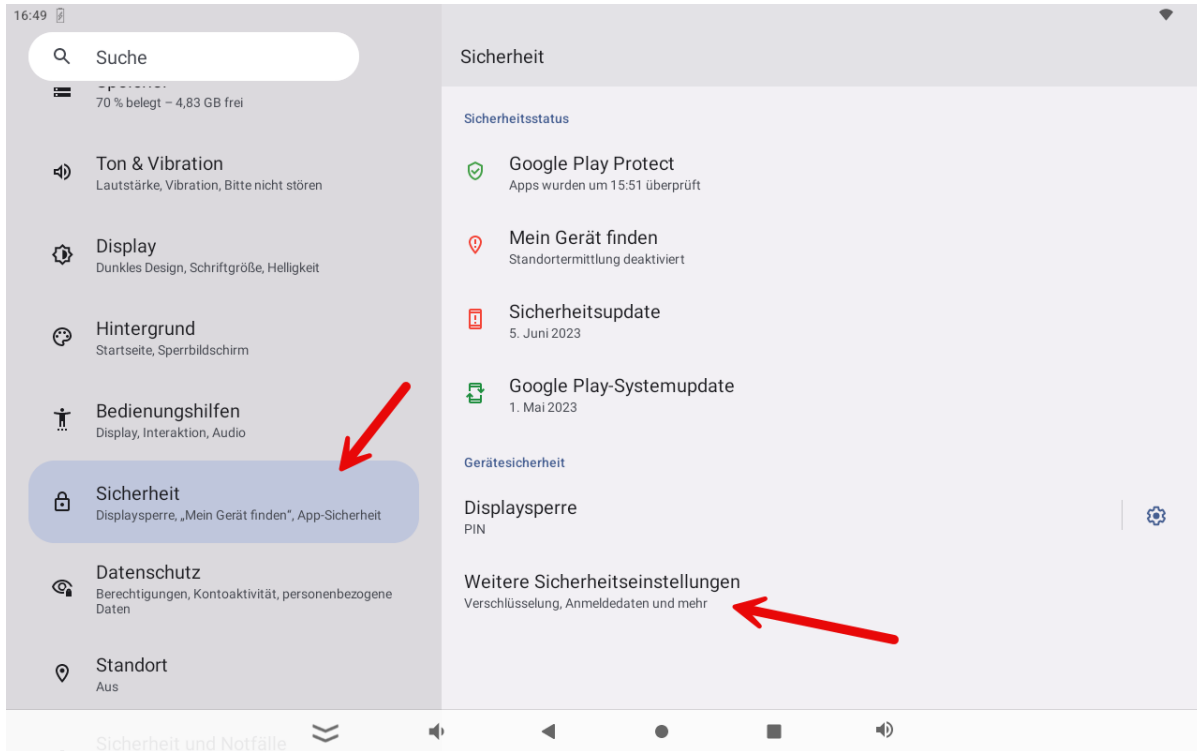


Please note that this arrangement will be lost after a restart.

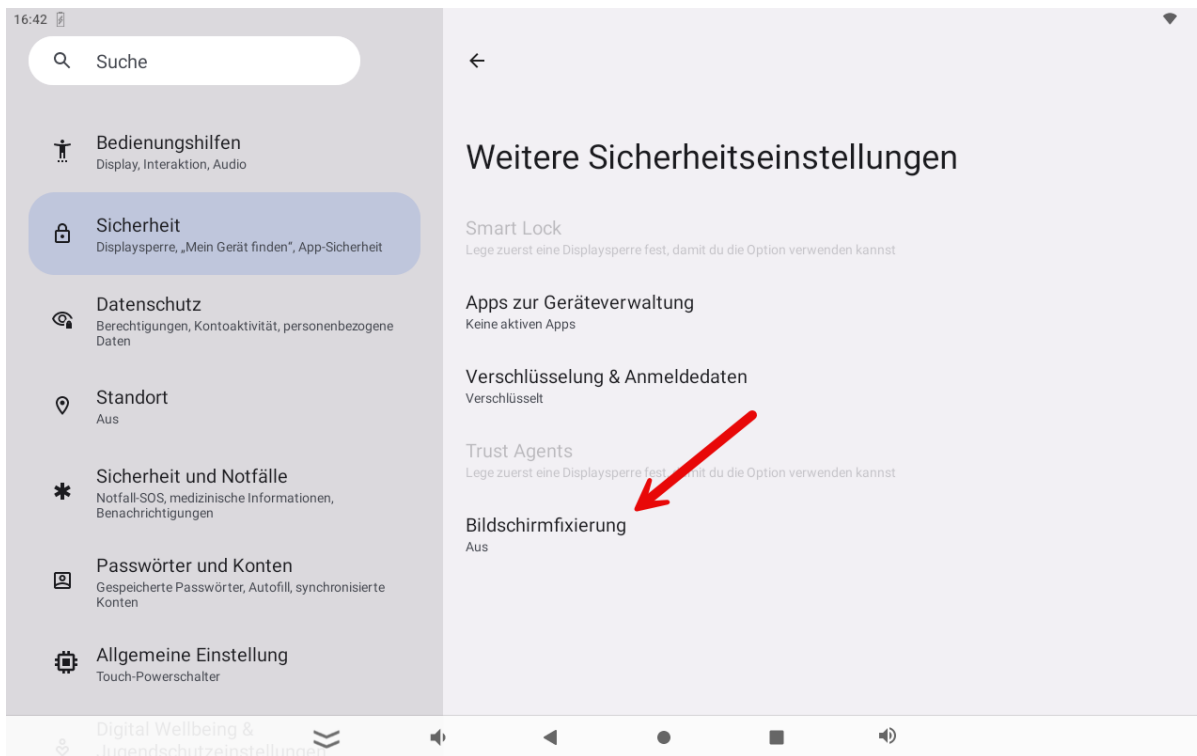
Fixing an APP

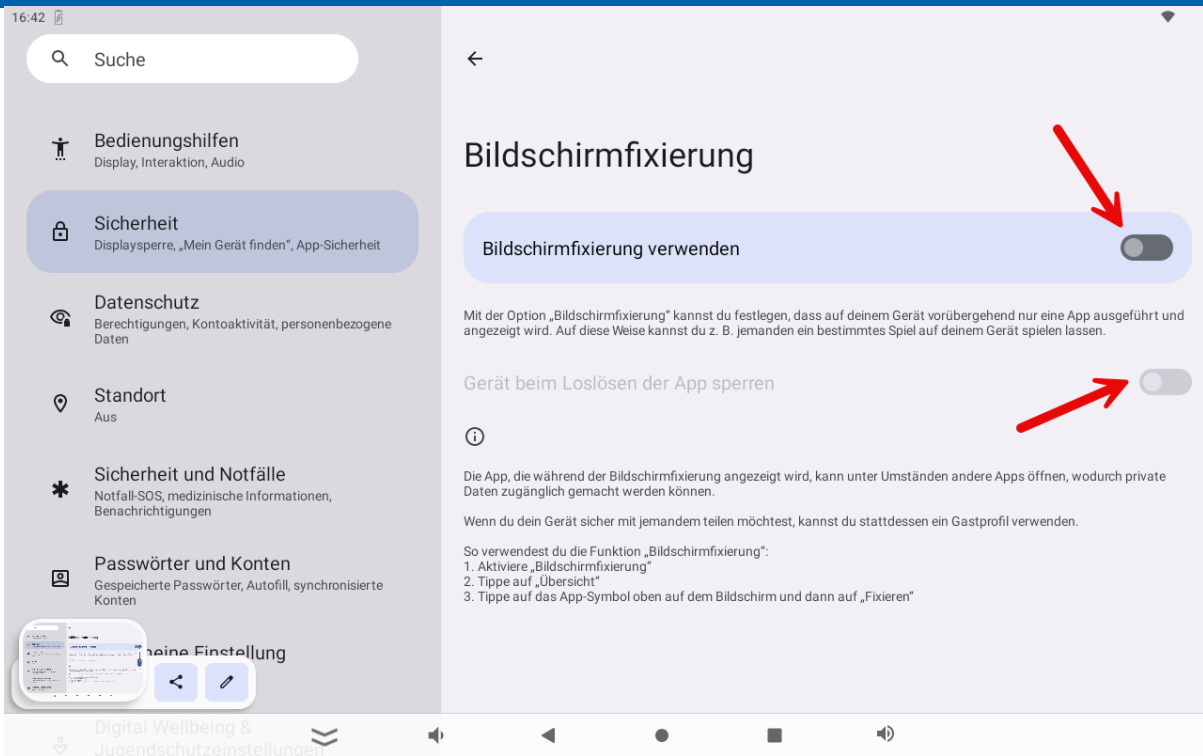
Please note:

The functionality is simple and is only a simple protection against unauthorized access. The app can still be closed using a key combination. You can find a professional kiosk APP in the Playstore under "FullyKiosk Browser".



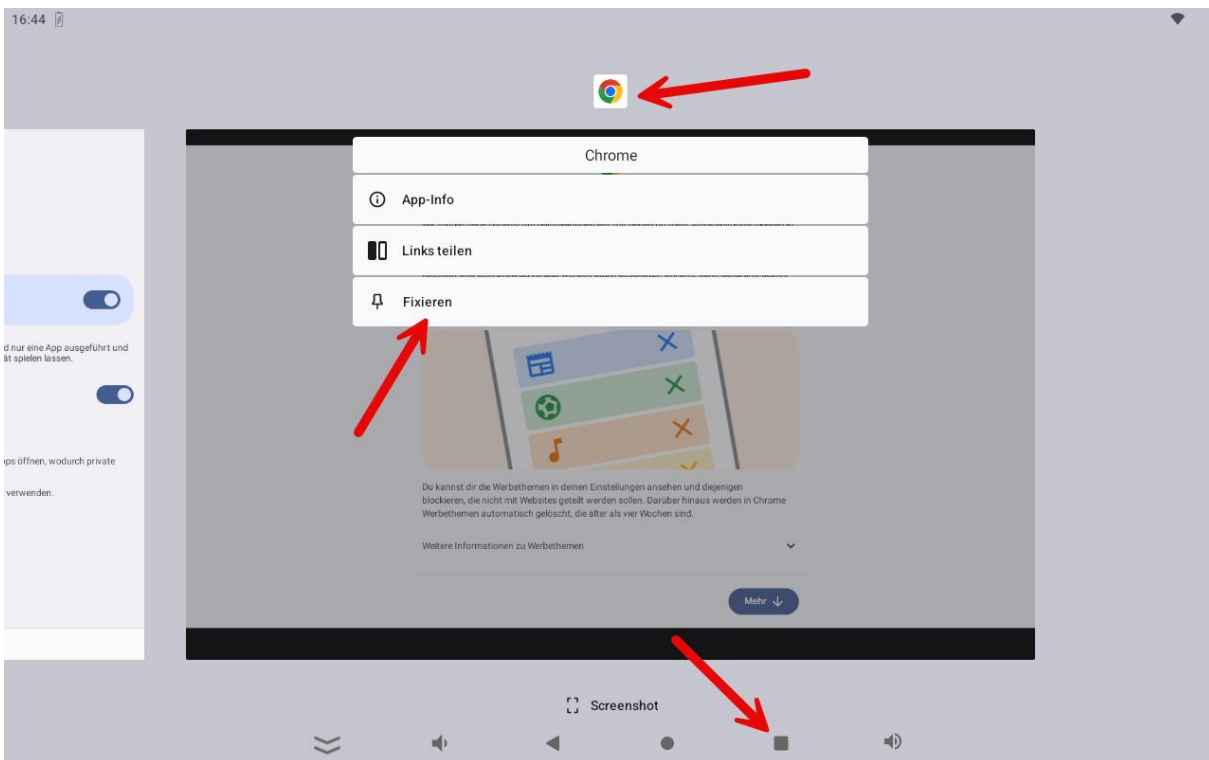
There, please go to the item "Further security settings" and click on Screen fixation.

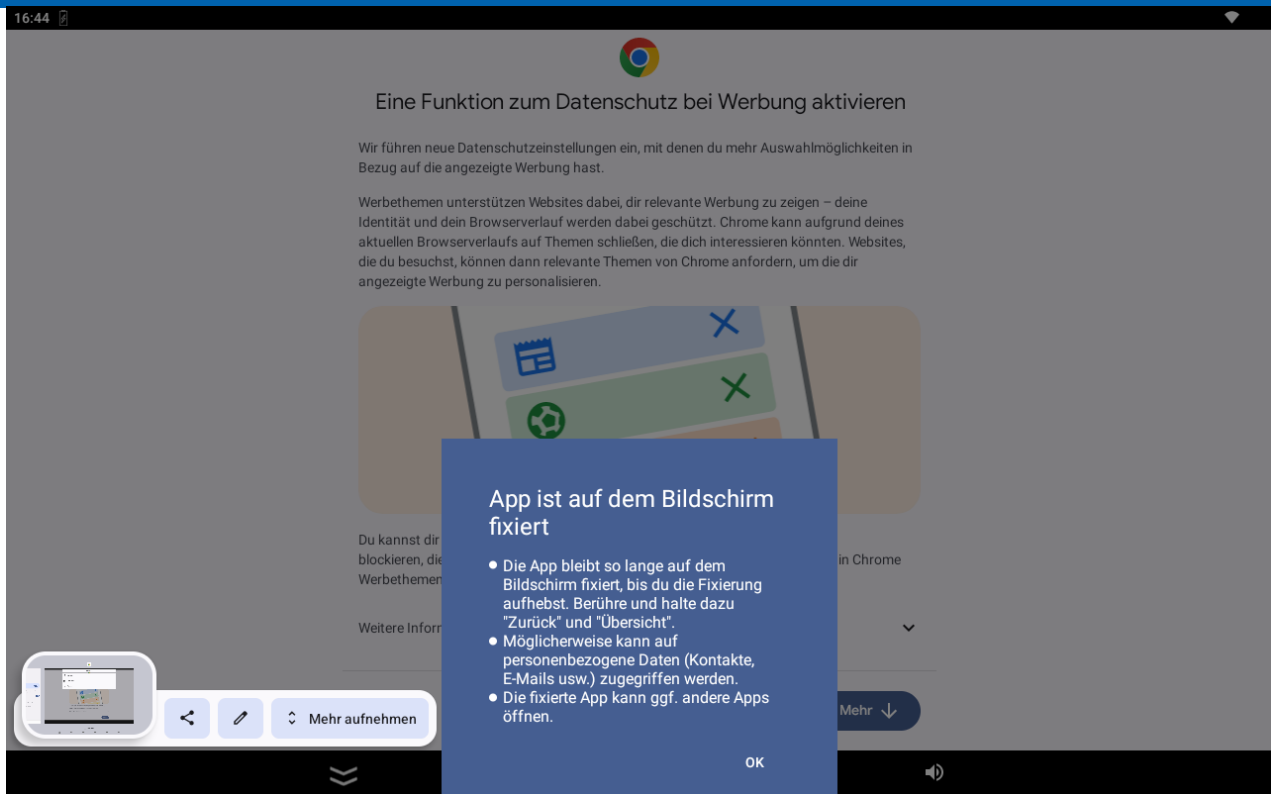




As an option, you can also install a security feature that locks the tablet when the app is closed.

To activate the screen lock, click on the square in the navigation bar, where you will find the most recently opened apps. Click on the middle icon at the top of the app you want to use.



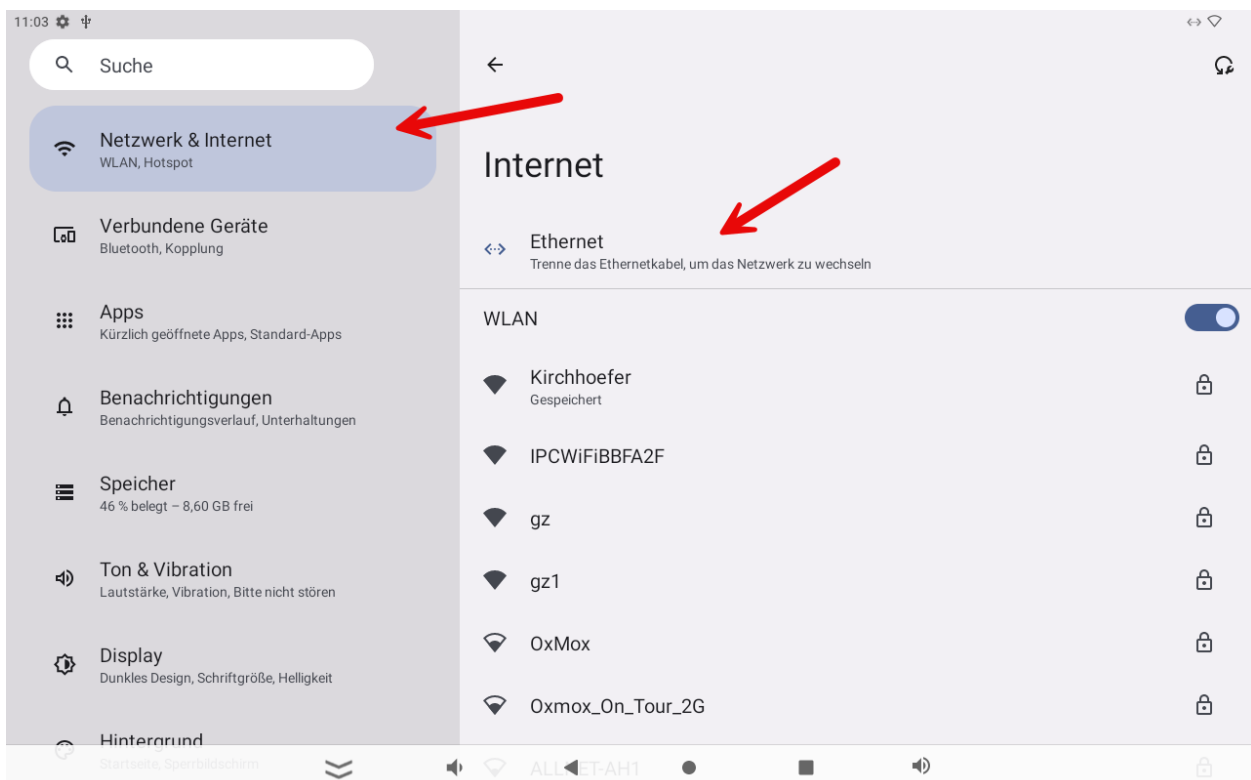


This screen fixation is no longer active after a restart and the fixation procedure must be carried out again.

Ethernet setup

Open the " Settings"

Select "Network&Internet", then click on "More"

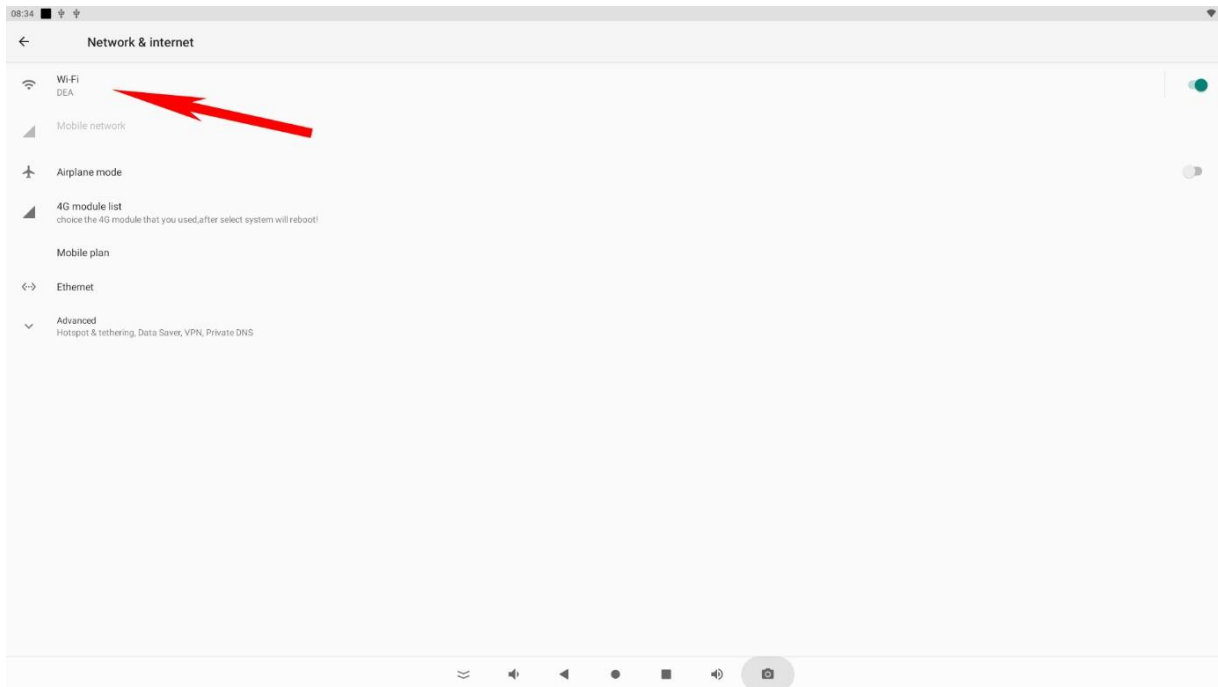


Ethernet is automatically activated as soon as a network cable with a network connection is connected. The Ethernet connection is preferred over a WLAN connection.

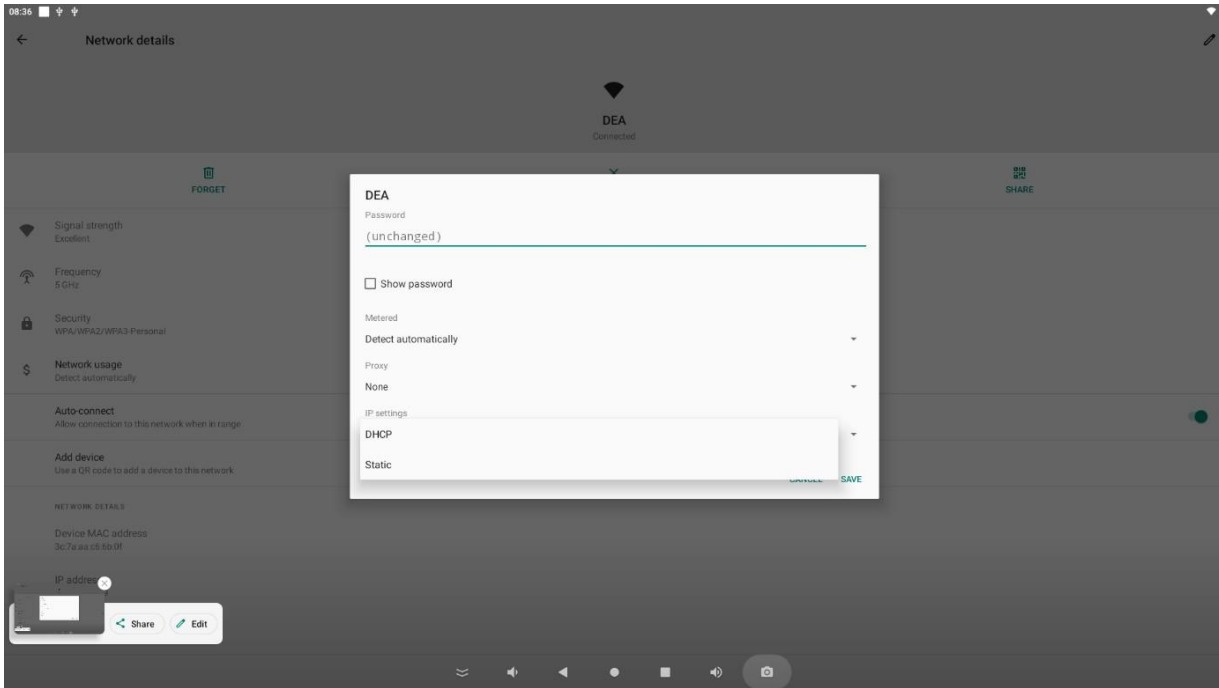
W-LAN setup

Open the "Settings" app

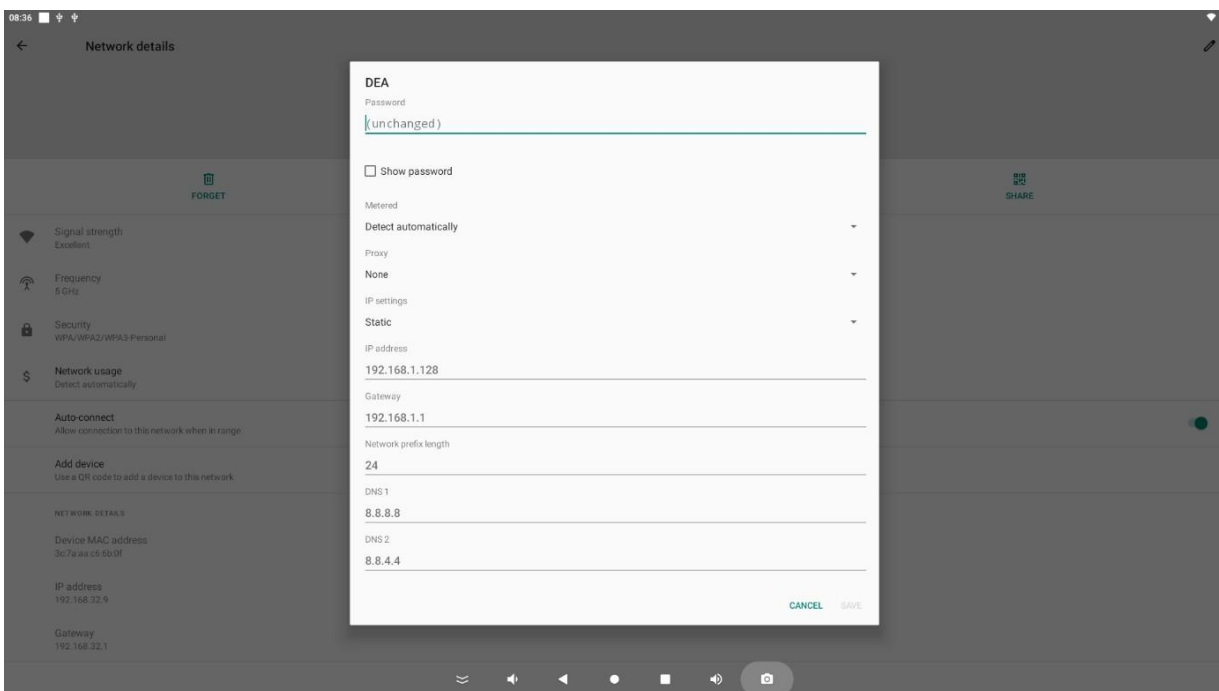
Select "Wireless & Network", then click on Wi-Fi and activate the switch



Select the desired WLAN network and enter the password if necessary. Once the connection has been successfully established, the tablet automatically connects to the network if it is within range.



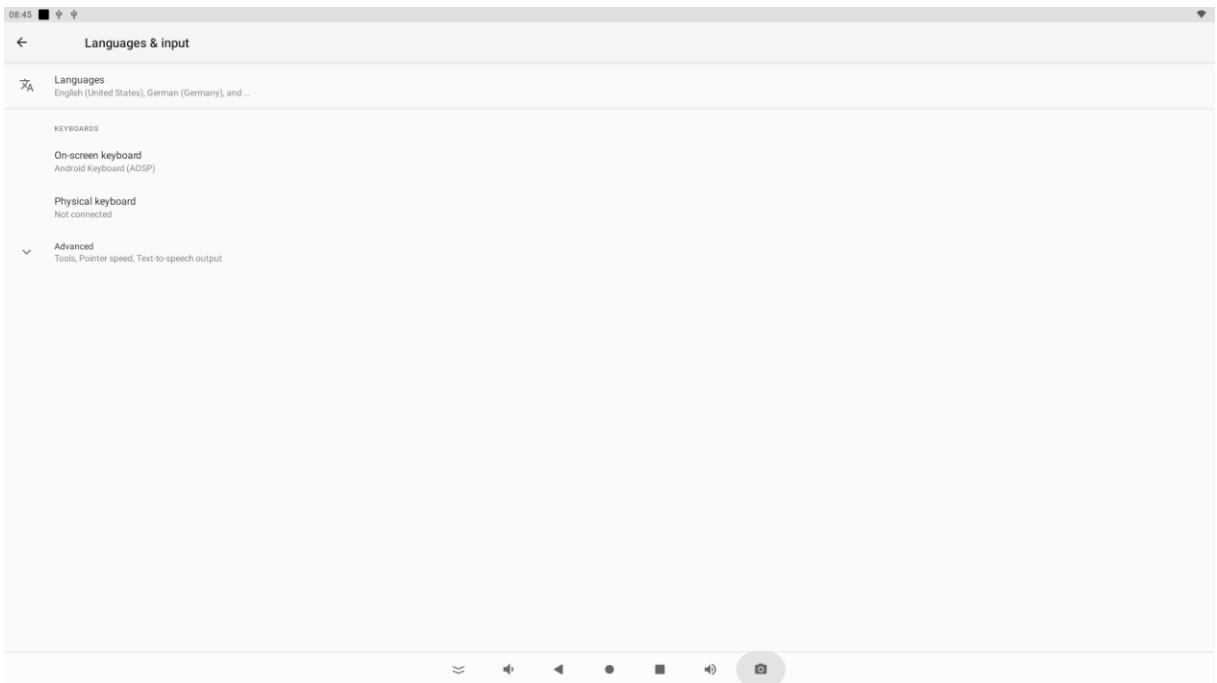
You can set up a static network connection under IP Setting. By clicking on "static" you can set up the IP address, gateway and DNS server.

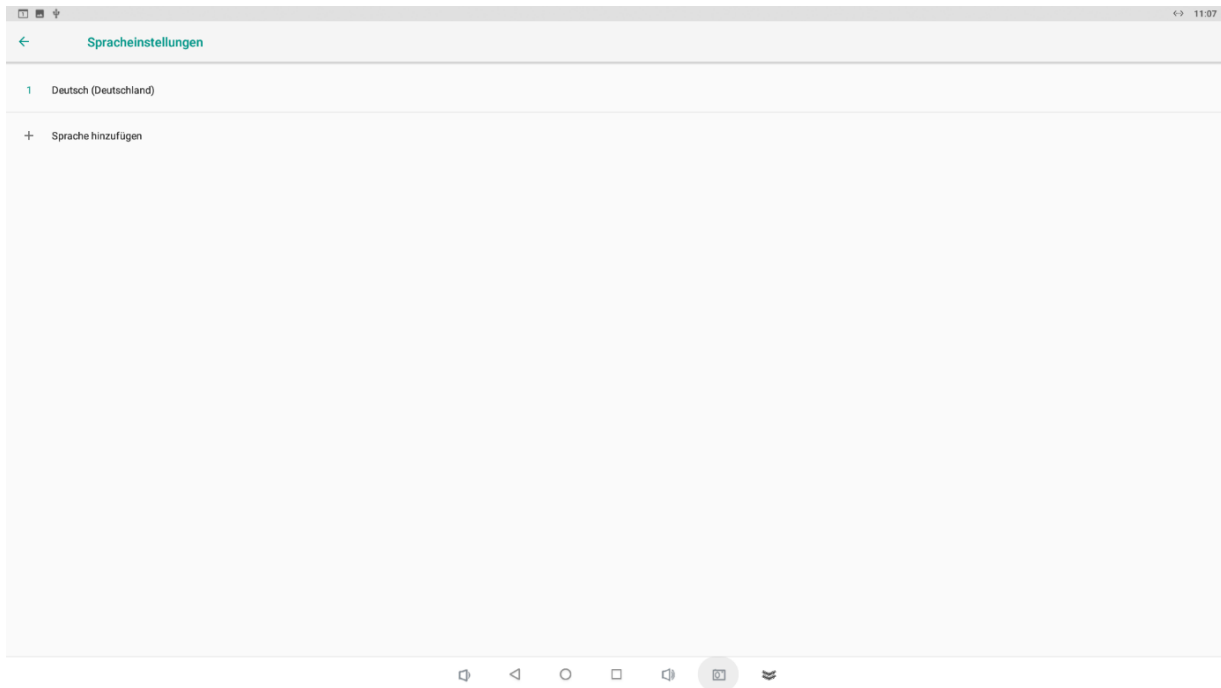


Settings Change language

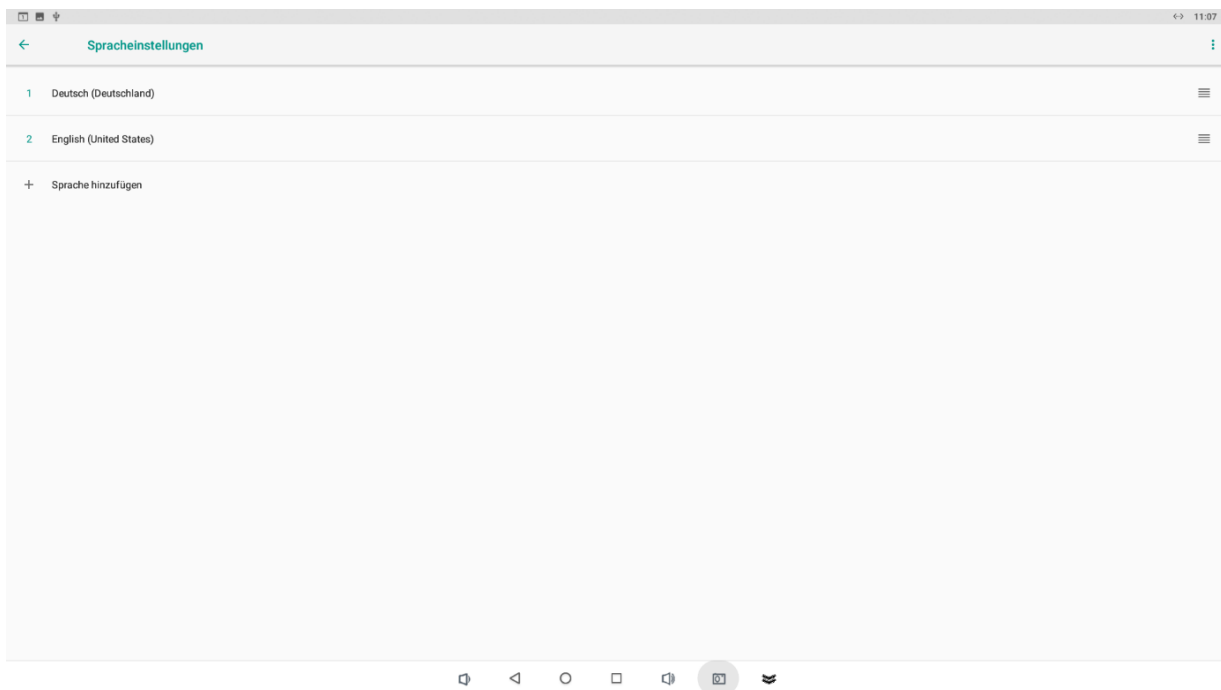
Open the "Settings" app

Under "System", select "Language & input", then click on Language and select the desired language





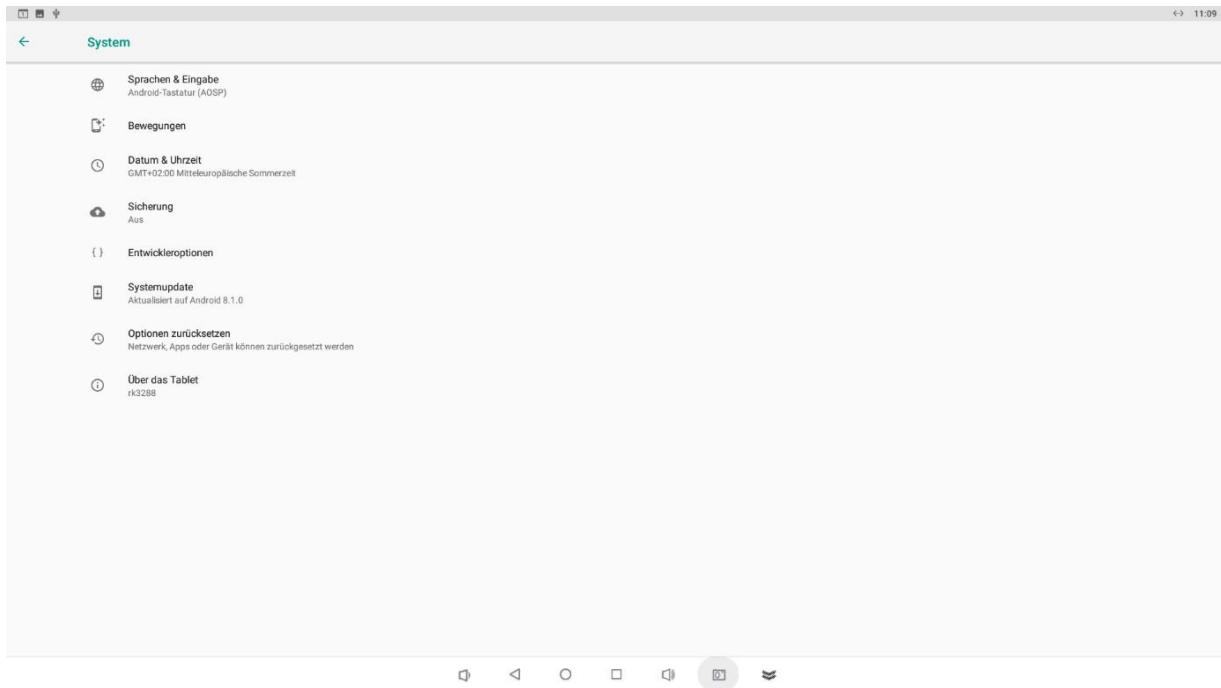
Activate the language by dragging the language upwards on the right-hand edge.



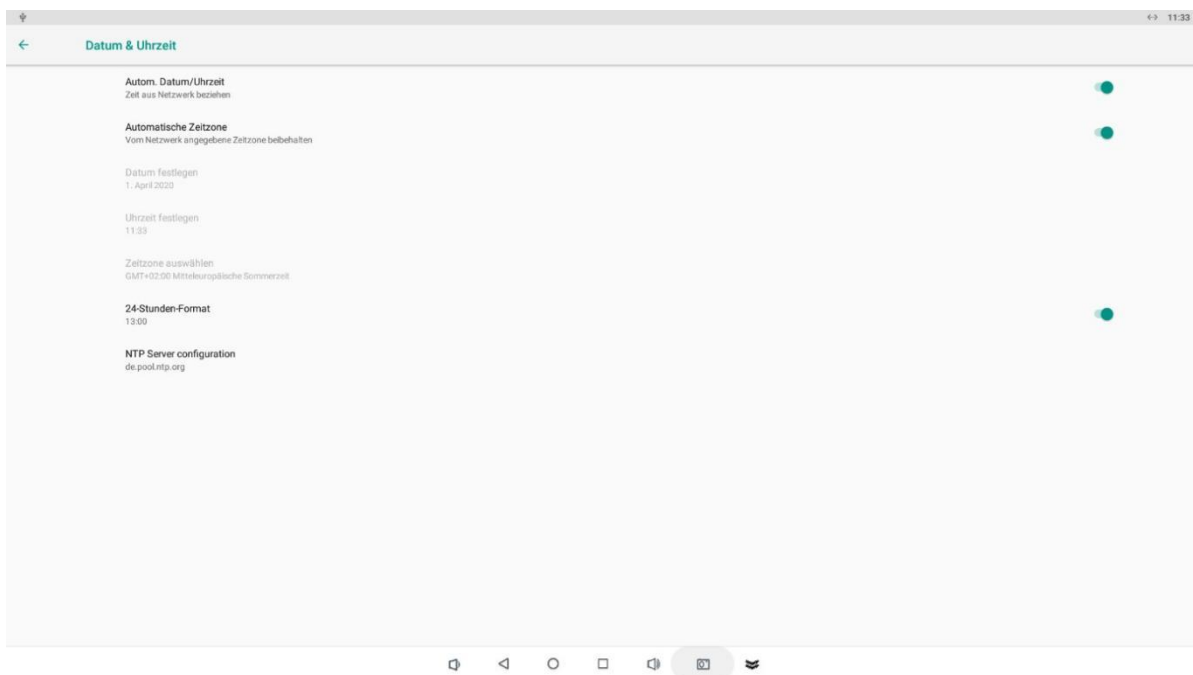
Change time zone, date and time settings

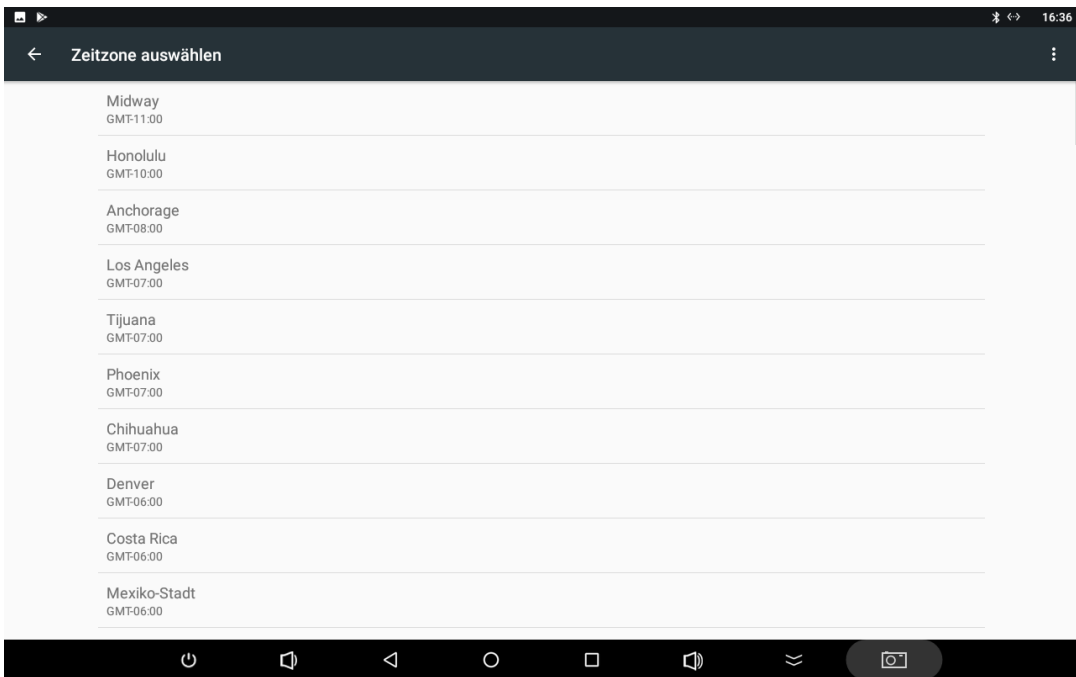
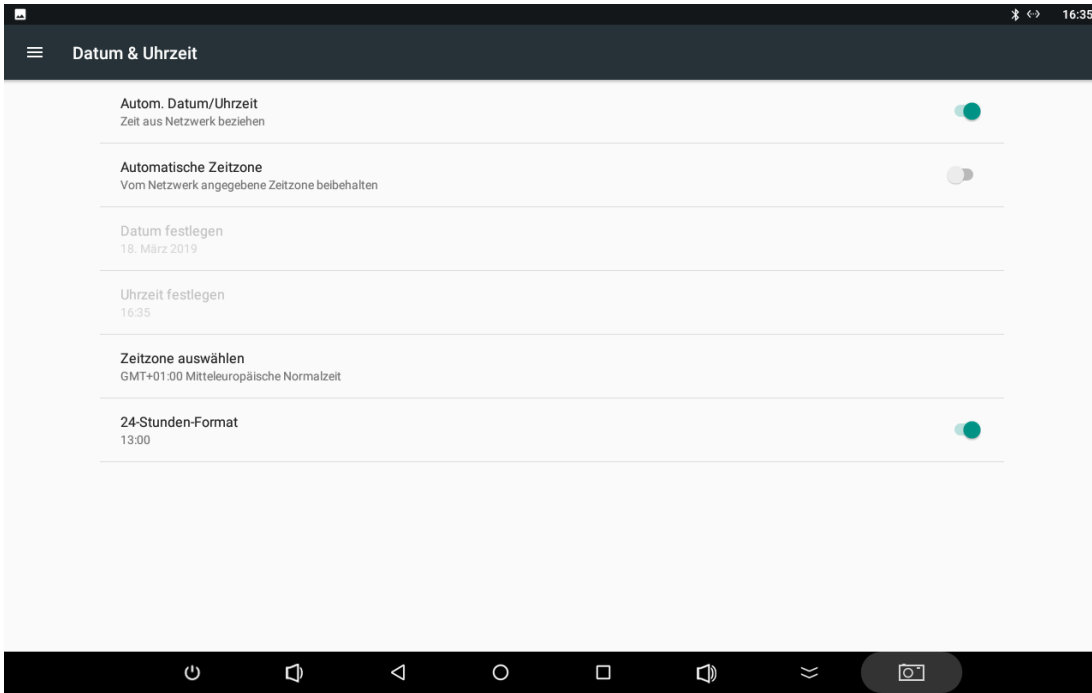
Open the "Settings" app and select "System".

Select the "Date and time" menu item from the "System" menu item.



You can either obtain the appropriate time zone automatically via the network or change it manually via the "Select time zone" item.



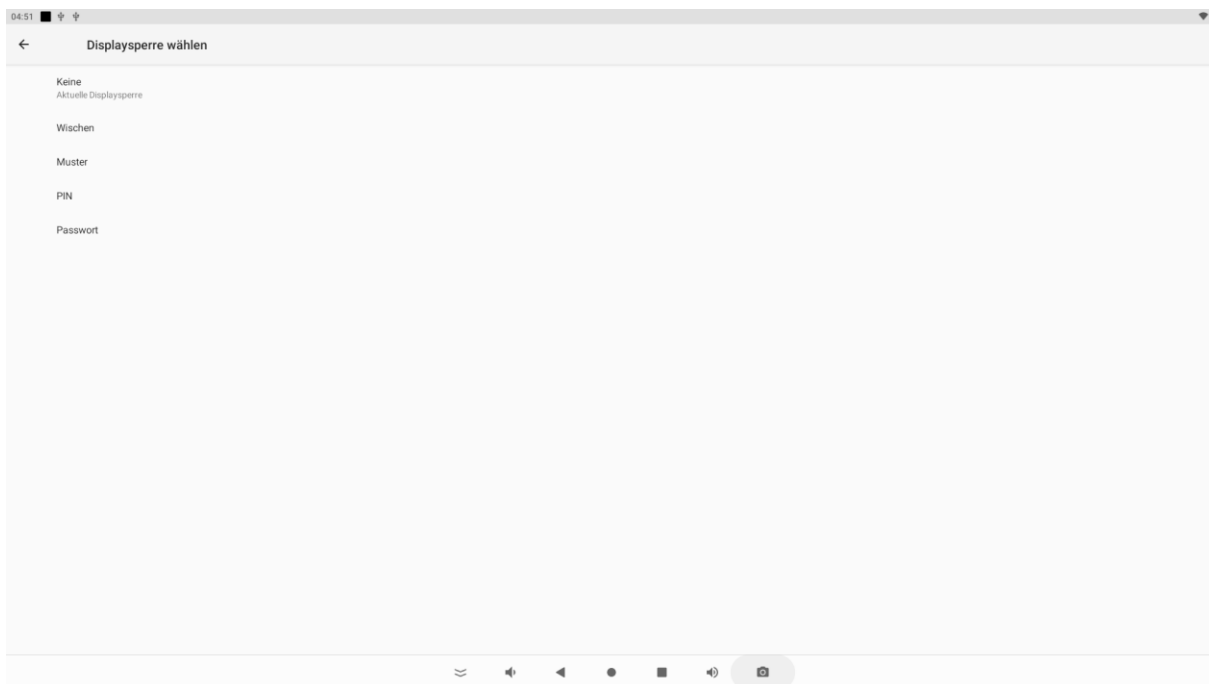


Display lock settings

Open the "Settings" app and then the "Security" item.



Under "Device security/display lock" you can then assign a PIN to unlock the tablet.



Change volume setting

Open the "Settings" app

Select the "Sounds" menu item from the "Device" menu item. Here you can set the volume for media playback, alarm clock and notifications.



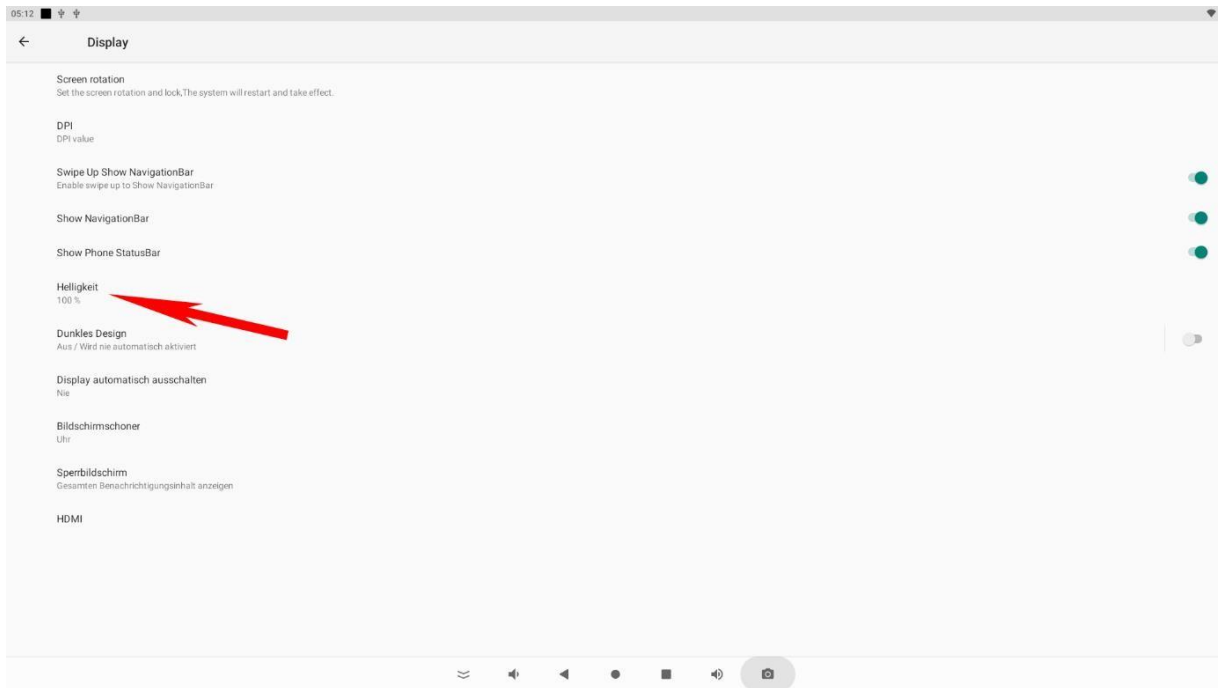
Display settings

Open the "Settings" app

Select "Display", then click on Brightness level, now you can adjust the brightness continuously.

In addition to the brightness, you can also change the background or select a screen saver.

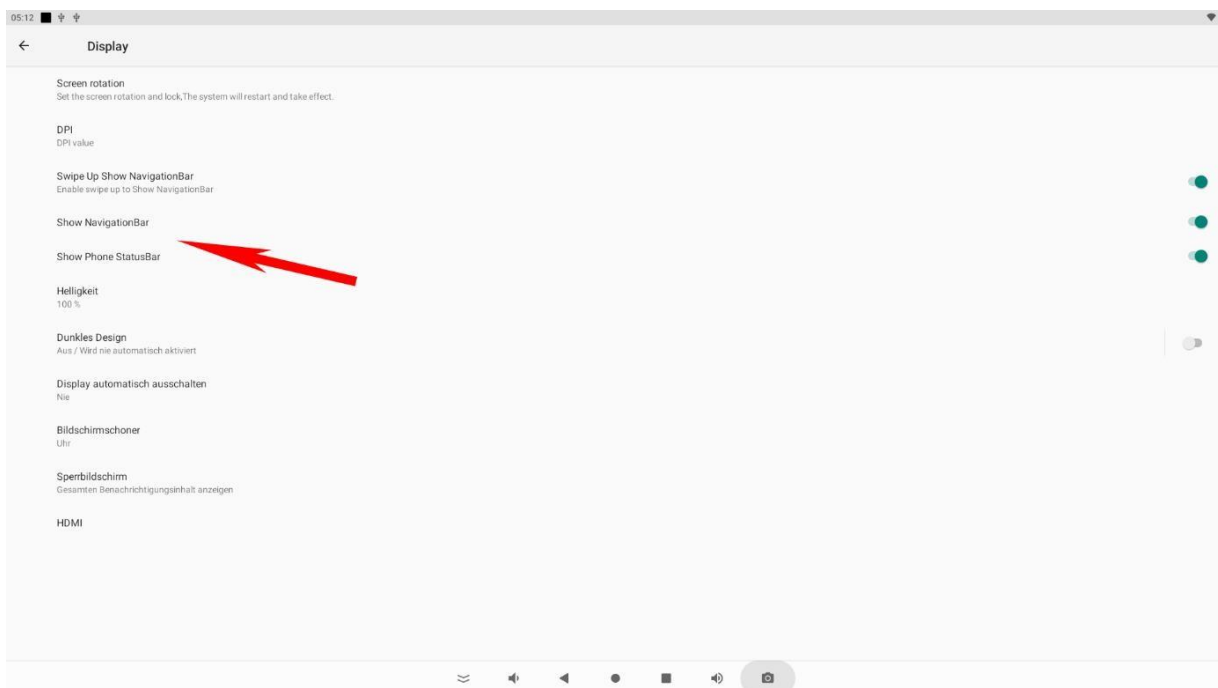




Hide navigation bar/status bar

Open the "Settings" app

Select "Display", then switch off "Show NavigationBar/ or Phone StatusBar".



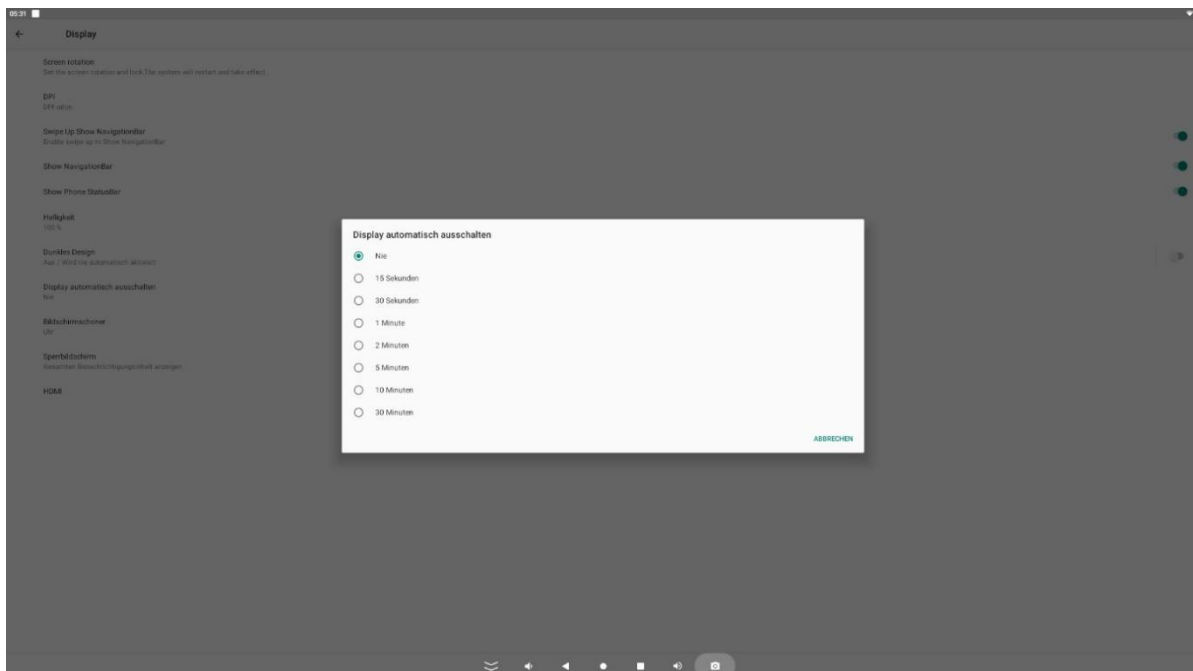
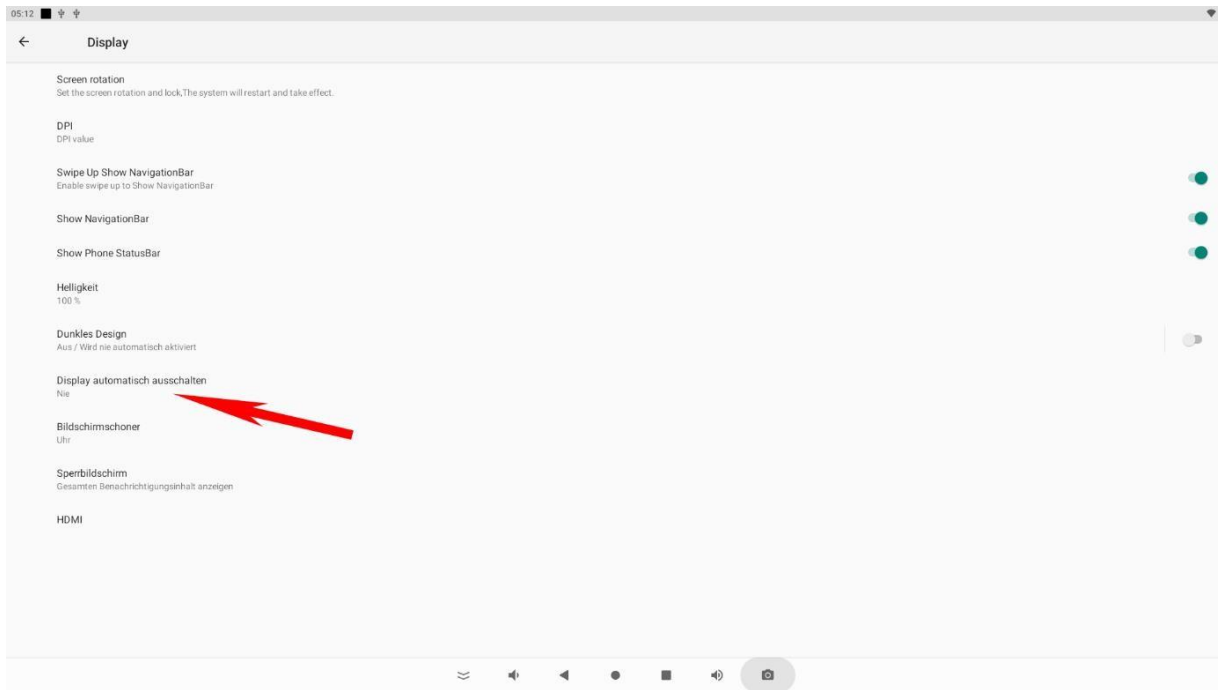
You can also operate the tablet with a mouse and keyboard. The left button is the "Mouse click", the right mouse button is the "Back" button

Settings "Switch display off automatically"

Open the "Settings" app

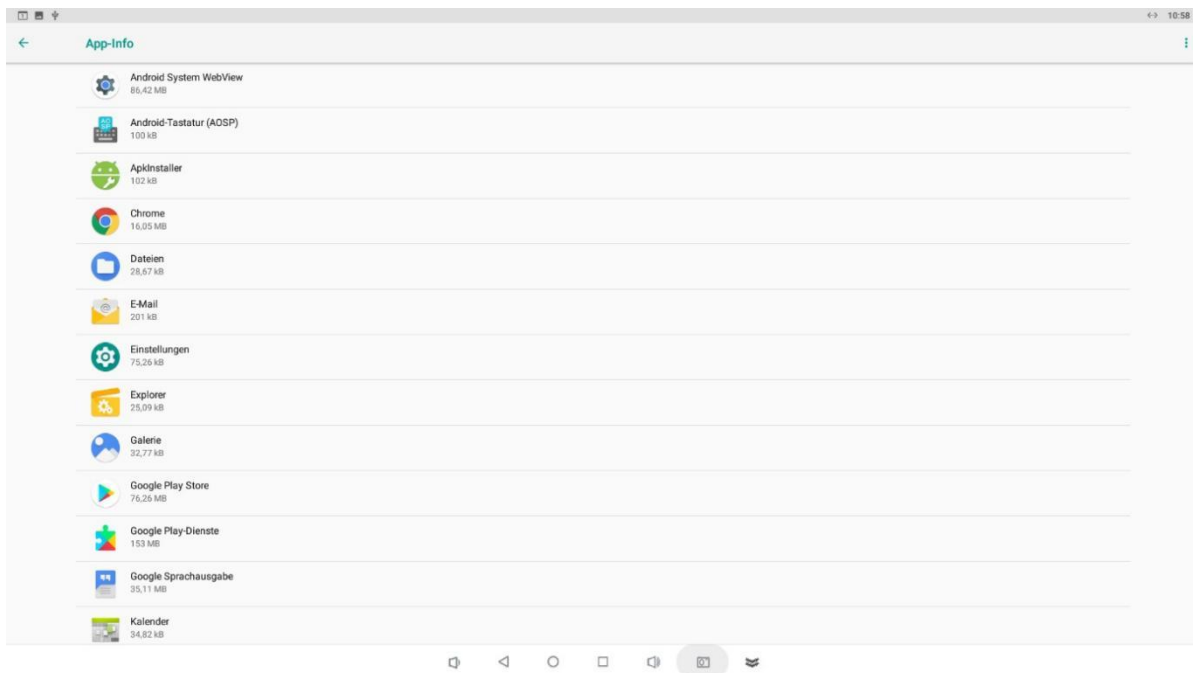
Select "Display", then click on Advanced/ Hibernate, now you can set the display switch-off time.

By activating the "Never" menu item, the screen remains active until the tablet is switched off.



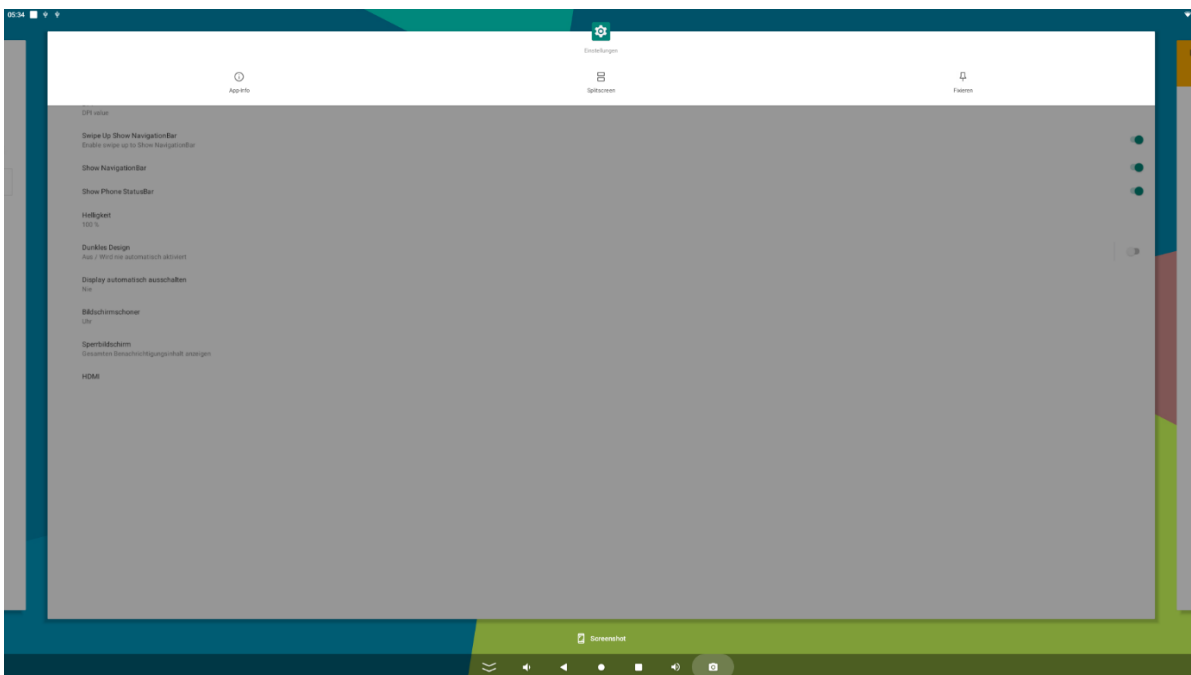
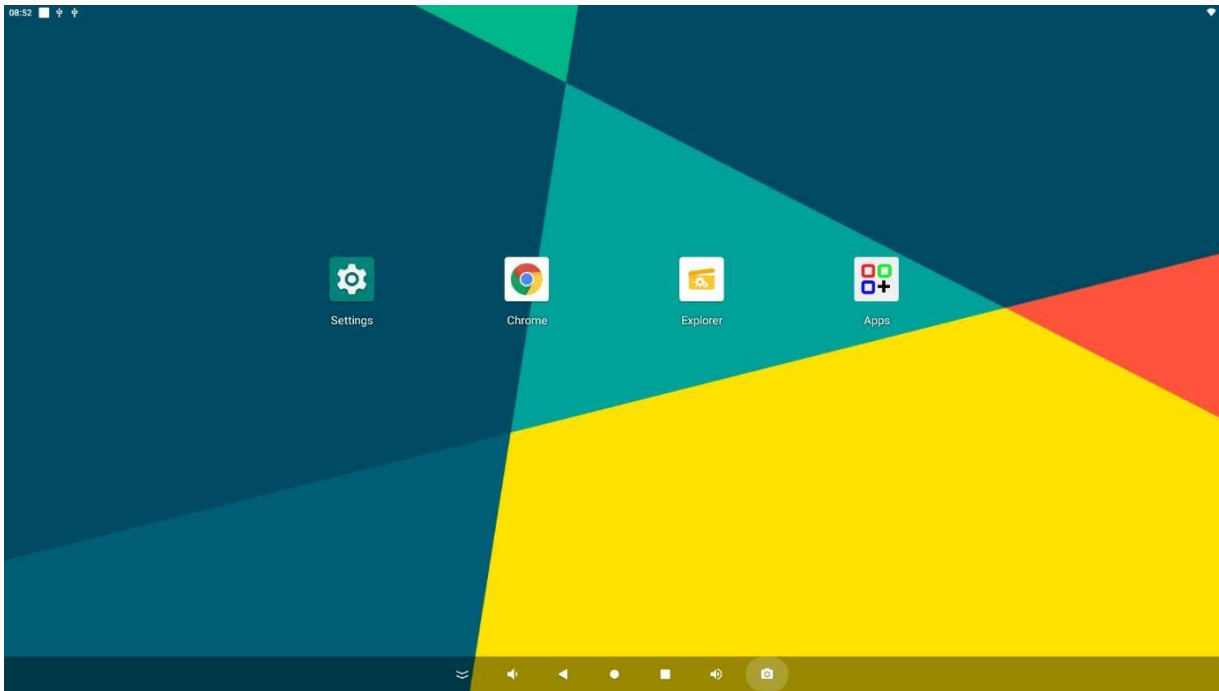
Connection to the Google Play Store

Open the Play Store app and log in with your Google account details to install the apps you want. If you do not yet have an account, you can create a new account directly via the app. If you have a problem starting the Play Store, a component (Google SystemWebView.apk) of the Google framework is out of date and needs to be updated. To do this, the Chrome browser must be deactivated under Settings/Apps so that SystemWebView.apk is visible. The tablet should update this automatically after some time, so leave it switched on and connected to the internet. This app can also be downloaded from external download sites such as APK Mirror. Please note that downloading from external sites can be risky. We assume no liability for this!



Exit app

Click on the rectangular icon in the bottom navigation bar. You will then be shown all active apps, which you can then close as required.



Split screen function:

This function is available to display two apps at the same time.

Click on the rectangular icon in the bottom navigation bar. All active apps will then be displayed.

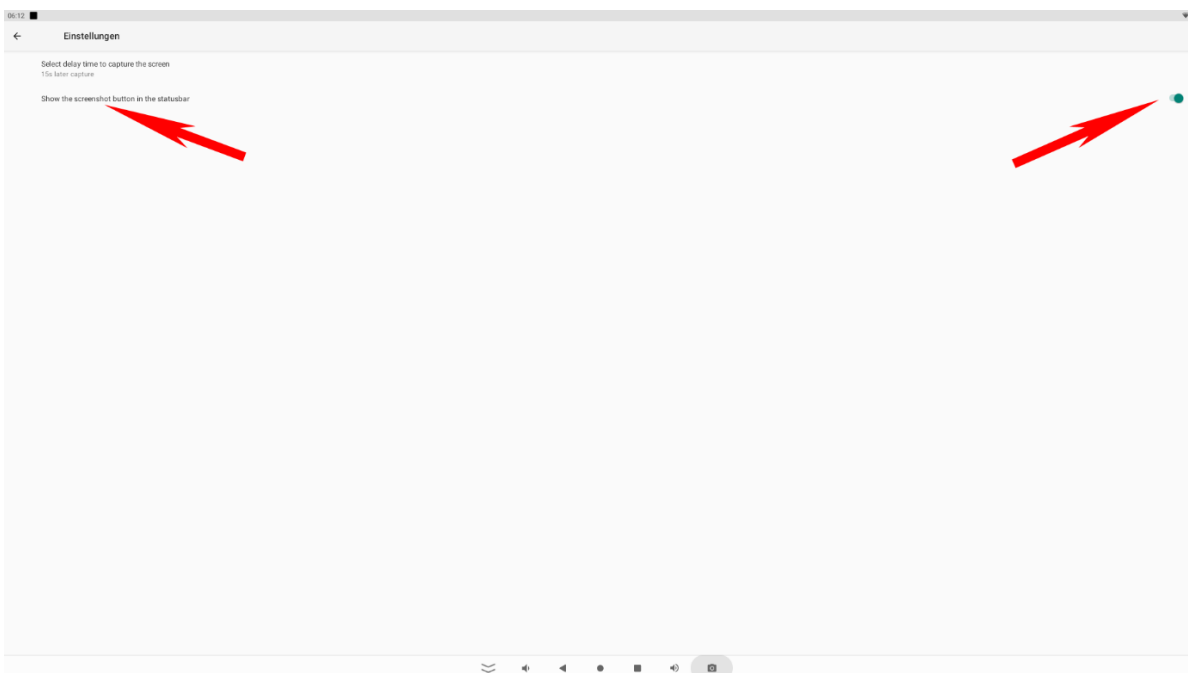
Click on the top logo in the middle of the app you want to use. A menu will open. Click on Split screen and select the second app by clicking on it. These must be opened beforehand so that you can select them.

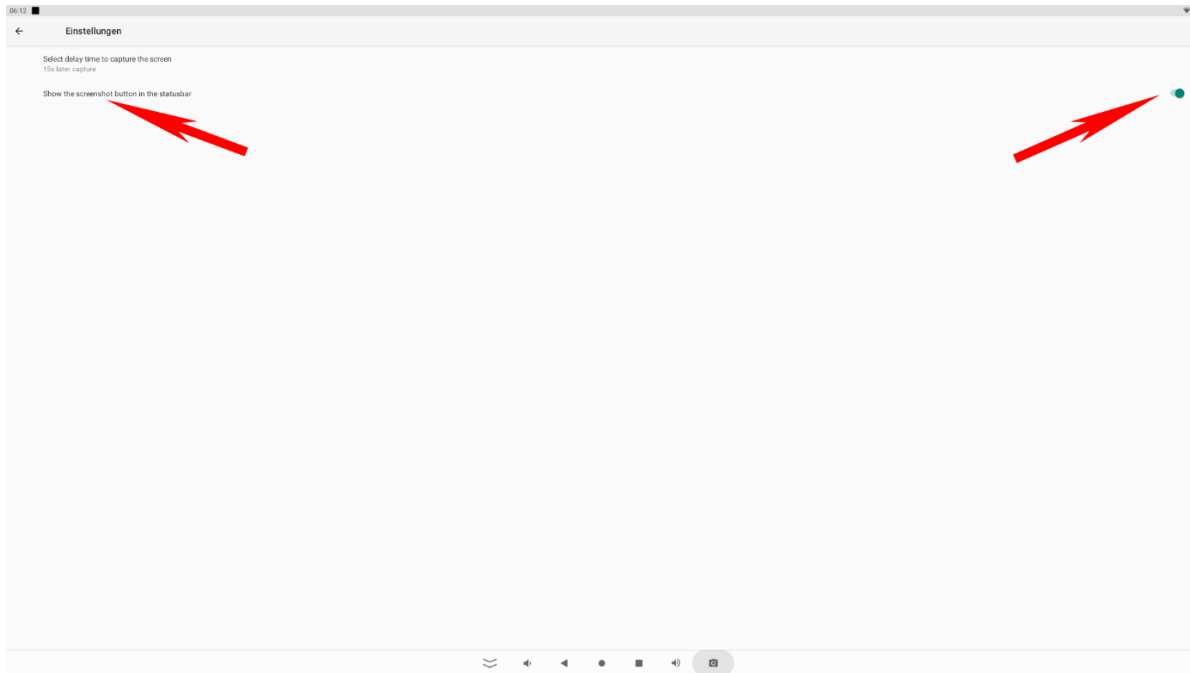
Create screenshot

Under Settings you will find the item "Screenshot". Click to open a settings window.



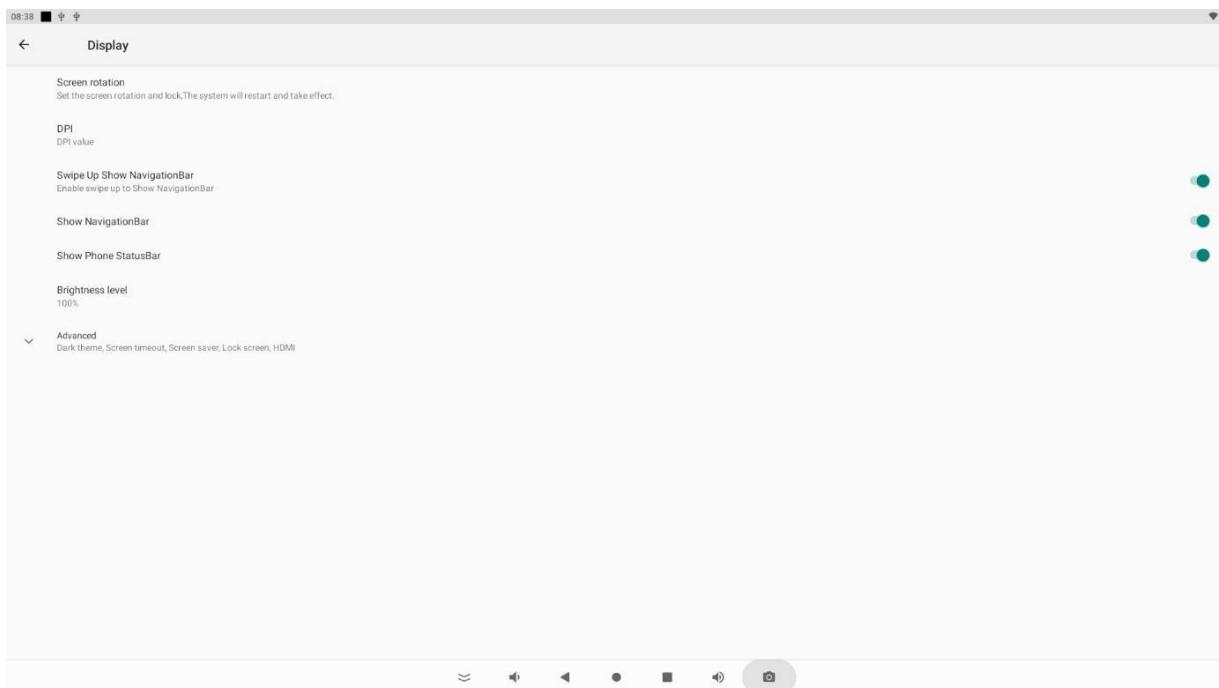
Here you can activate the function in the navigation bar.



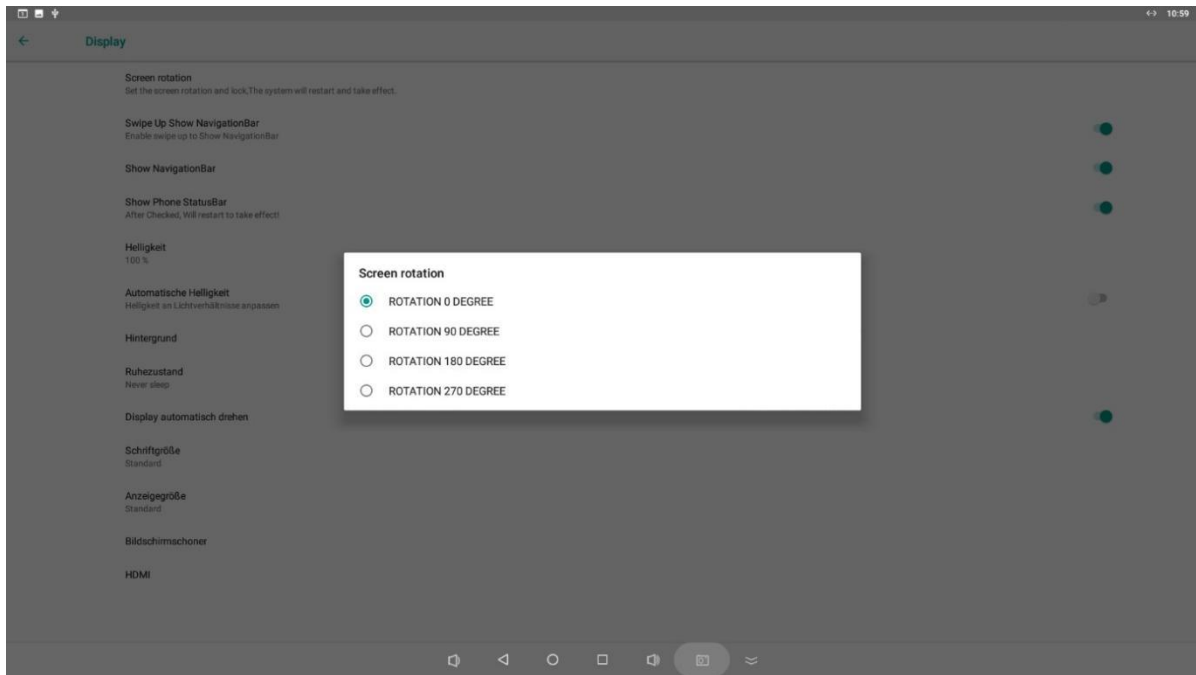


Display rotation

The display can be used horizontally and vertically. To do this, please go to the Display/Screen rotation settings.



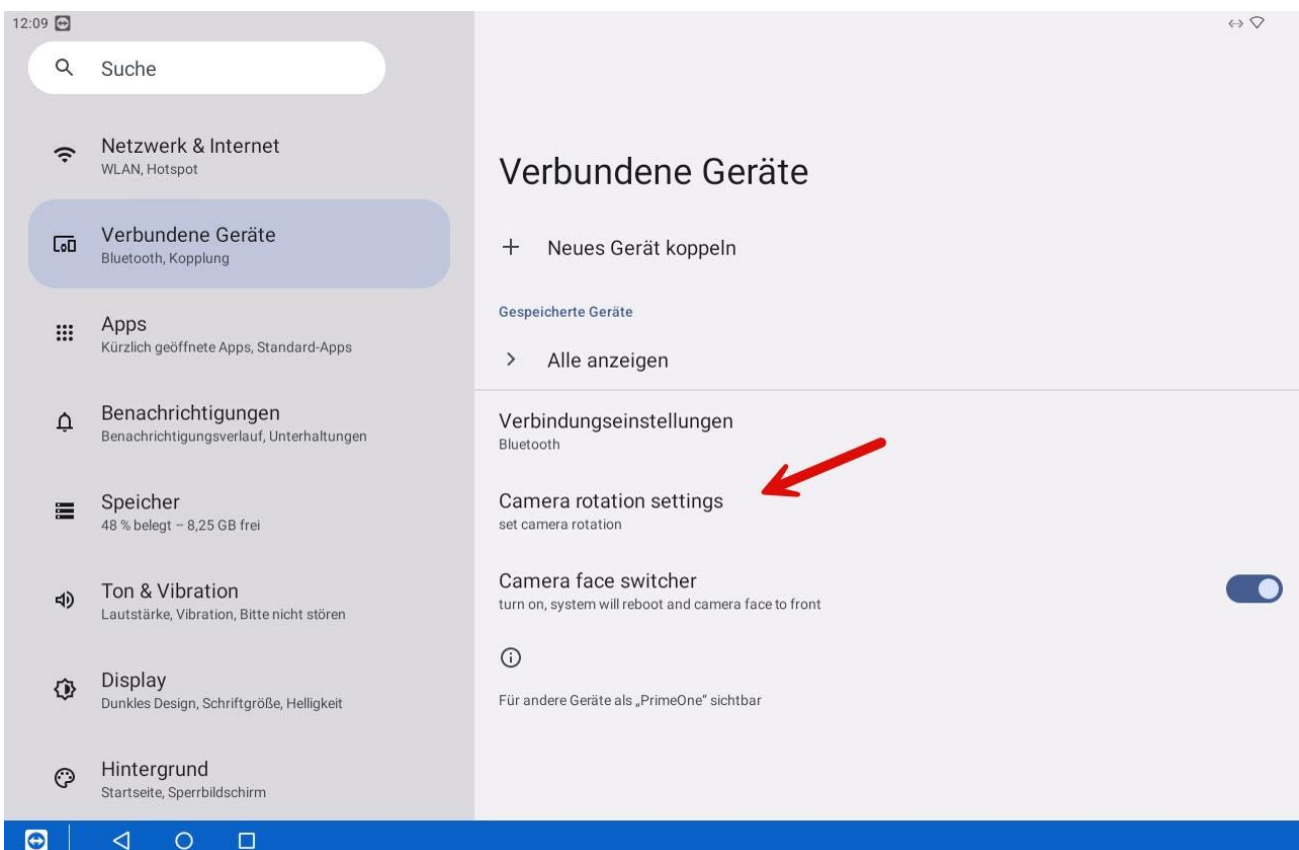
Select the degree of rotation in the pop-up. The tablet will now restart in the set mode.



MDM Mobile Device Management:

The Google-certified displays can be controlled with MDM software. To do this, tap a free space in the wizard 6 times in succession. The camera opens to scan the MDM code. This can also be entered manually in the event of an incorrect entry.

A QR code can also be captured via camera. The camera can be rotated and turned to help. This can be done under Settings/Connected devices.

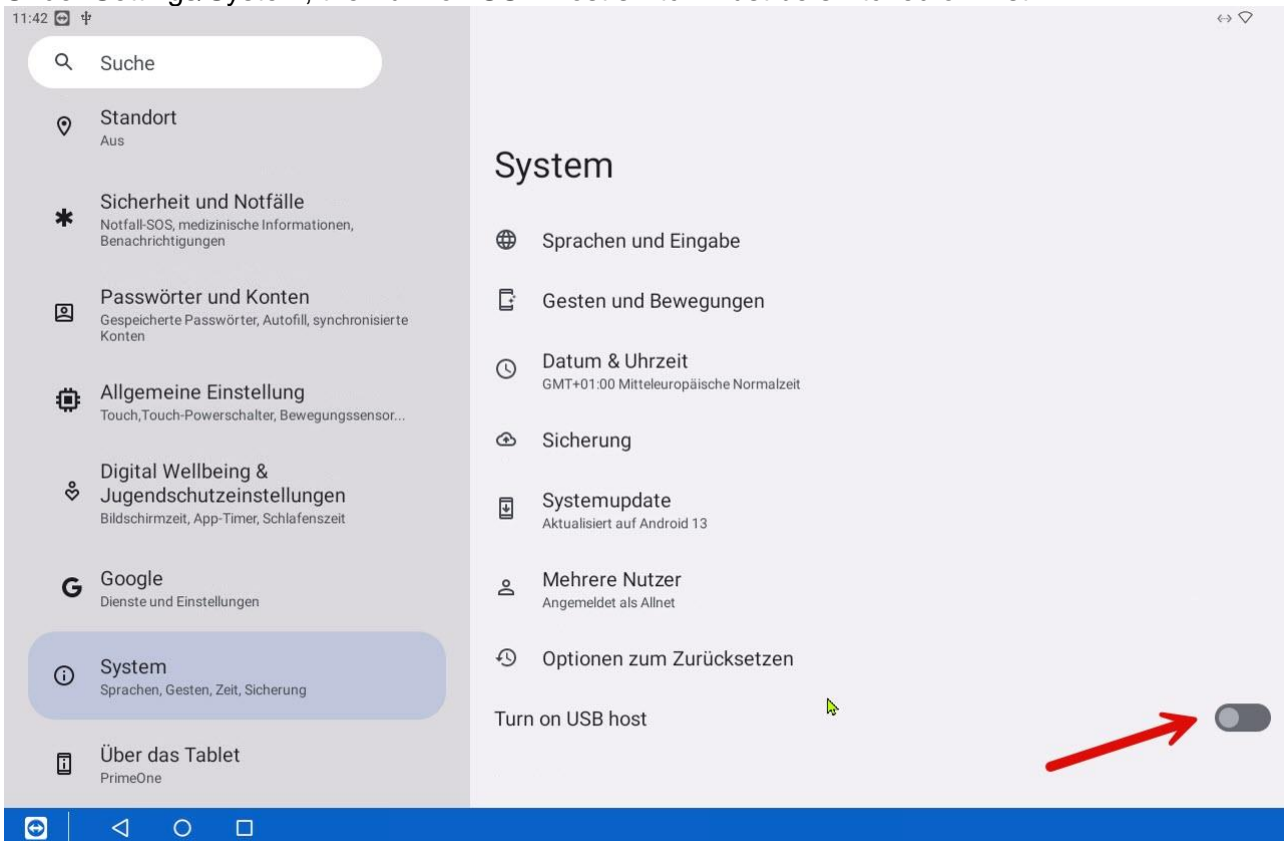


Update firmware:

To update the firmware to Linux or an AOSP version, the tablet must be connected to the PC with a USB cable USB Type-A to Type-A connector. Before connecting it, please install the Rockchip drivers using the Rockchip DriverAssistant tool.

Note: Please check that no other ADB drivers are installed on the system. This can lead to errors in the recognition of the tablet.

Under Settings/System, the Turn on USB Host switch must be switched off first.



To flash the firmware, you need the AndroidTool_Release v5.1.1. Please write to our support team to obtain the firmware and the download link, support@allnet.de.

Here are the individual steps:

1. Install the "Release_DriverAssitant" driver.
2. Start Android tool
3. Connect the USB port to the PC and the tablet
4. Press the Vol+ and Power buttons simultaneously for 5 seconds and apply power
5. You will now see an ADB device in the Android tool
6. Press the Firmware button under the "Upgrade Firmware" tab and select the Linux/Android image
7. Then press the "Switch" button
8. The tablet should now switch off the screen and there should be a loader device in the Android tool, which takes approx. 30 seconds. If this does not work, there is a small hole next to the power connection on the tablet. Use a bent paper clip to feel for the switch behind it and apply power at the same time. Press and hold the switch for approx. 3 seconds.
9. Then press the "EraseFlash" button, only necessary in the event of errors or a system change
10. When the process is finished, you can click on the "Upgrade" button and the image will flash the Linux/Android onto the system.
11. The device restarts automatically after the update process.

Update via USB with OTA image:

An OTA image does not delete any USER data, as is the case with a cell phone. This image can be transferred via a server or installed via a USB stick.

Please save the firmware zip file under the name update.zip in the root directory of a USB stick. Start the tablet with the USB stick inserted (USB3.0 port). The tablet should update itself automatically. If this does not happen, go to Settings/System/System updates and install it manually.

!!! Attention !!! The Google license expires if the firmware is deleted, replaced or changed if the OTA update offered by ALLNET is not used. This applies in particular to a reinstallation from Linux to Android. In this case, there is no entitlement to warranty or replacement.

CE

CE Declaration of Conformity



For the following equipment:

Germering, 20th of July, 2023

ALLNET PrimeOne Series Tablet



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. This attestation of conformity is according to the provisions of EU ROHS Directive 2011/65/EU & (EU) 2015/863, it is confirmed the product has been tested and found in conformity with below standards.

Requirement	Applied Standards	Result
2011/65/EU & (EU) 2015/863	IEC 62321-3-1:2013 / IEC 62321-5:2013	Conform
	IEC 62321-4:2013+A1:2017	
	IEC 62321-7-2:2017/ IEC 62321-6:2015	
	IEC 62321-7-1:2015/ IEC 62321-8:2017	

This equipment is intended to be operated in all countries.

This declaration is made by

ALLNET GmbH Computersysteme Maistraße 2
82110 Germering Germany

Germering, 20.07.2024


Wolfgang Marcus Bauer
CEO