Quick guide

ALLNET High Performance Displays

Art.Nr.: 210868,210871,210867,210869,212864,212865,212866

Contents

Differences in display sizes: 3
Package contents 4
General information 4
Target group of the operating instructions 4
Conventions and symbols 4
Warnings 5
Guidelines and standards 6
Disposal of the packaging 7
Disposal of the device 7
General security 8

Safety instructions for handling the plug-in power supply unit 8

Safety instructions for setting up the appliance 9

Safety instructions for operating the device 9

Safety instructions for repair and maintenance 10

Intended use 11
Operating conditions 11
Technical details 12
Dimensions 14
Tablet 14 inch 14
Tablet 16 inch 15
Tablet 21 inch 16
Tablet 24 inch 17
Tablet 32 inch 18
Service 19
Display rotation 19
Display sizes Change DPI 20
Automatic start of an application 20
Fixing an APP 22
Ethernet setup 25
W-LAN setup 27
Settings Change language 28
Settings Change time zone, date and time 30
Display lock settings 33
Change volume setting 33

Display settings 34
Hide navigation bar/status bar 35
Settings "Switch off display automatically" 36
Connection to the Google Play Store 36
Exit app 38
Split screen function: 39
Create screenshot 39
Update firmware: 41
CE 42

Differences in display sizes:

Resolution for the different sizes:

Standard resolution 14/16/21/24/32 inch FullHD 1920x1080 set;

4K 3840x2160 Superresolution software scaled possible (not native!), install Easy DPI Changer. Set DPI to 220/240/260 as required and set resolution to 3840x2160. The DPI number can also be changed under Settings/Display/Display size with a slider.

NFC:

14/16/21 inch have a USB NFC reader in the accessories, which can be attached to the sides.
24/32 inch do not have the NFC in the accessory

Optional stand with battery and charging function:

For the 24 and 32 inch there is a matching stand with charging function for the battery in matching color.
The 24 inch stand is not compatible with the 32 inch!

POE:

Due to the power and size, only the 14,16 and 21 inch displays can support Power over Ethernet.

Package contents

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

- ALLNET (PoE) 4K High Performance Displays
- 12V power supply
- Printed quick start guide
- 14/16/21 inch with NFC reader

General information

The ALLNET High Performance Display with RK3588 is a 4K display with WiFi 6 and USB-C support and Power over Ethernet (PoE) capability. This display is designed for high-quality video and audio performance, with a resolution of up to 3840x2160 pixels and support for High Dynamic Range (HDR) content. WiFi 6 and USB-C connectivity options allow for easy connectivity with a wide range of devices, and PoE capability allows the display to be supplied with both power and data via a single Ethernet cable, simplifying installation and reducing clutter. This display is suitable for a variety of applications including home entertainment, conference rooms and digital signage.

Target group of the operating instructions

The operating instructions are intended for any person who

- sets up,
- operates,
- cleans or
- disposes of it.

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 simple 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 and/or minor injuries!

The signal word "***CAUTION***" indicates possible damage to property.

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

Directives 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 manual.

- 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

DANGER

Risk of suffocation from 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 your local waste disposal facility about options for disposing of the packaging in an environmentally friendly and appropriate manner.

Disposal of the appliance

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 for information on how to dispose of the appliance properly and in an environmentally friendly 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/borough or to a retailer so that they can be disposed of in an environmentally friendly manner.

NOTICE

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

General safety

RISK

The product is intended exclusively 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 damage to property.

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.

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

The plug-in power supply 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.

- RISK Only use power supply units that are approved for this device.
- Only connect the plug-in power supply after the installation has been completed in accordance with the regulations.
- RISK Only connect the appliance to a properly installed and earthed mains socket. The mains voltage must match the specifications on the rating plate of the appliance.
- The socket outlet should be as close as possible to the appliance.
- Avoid using 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 mains cable so that nobody can trip over it.
- Plug the mains adapter fully into the socket.
- WARNING Do not touch the plug-in power supply unit with wet hands as there is a risk of electric shock.
- If the plug-in power supply is defective or if the appliance is otherwise damaged, 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 power adapter from the socket if the appliance is not to be used for a longer period of time.

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

WARNING Safety instructions for setting up the appliance

- DO NOT place the appliance near radiators, air conditioning units or water sources. Otherwise there is a risk of electric shock, short circuits or fire, as water may come into contact with the appliance.
- Ensure that the humidity is between 20 % and 80 % and that condensation does not form.
- 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 appliance is designed for use in enclosed spaces.
- The openings on the back of the appliance are for ventilation to prevent the appliance from overheating. These must always be kept clear.
- To avoid damage, always place the product securely.

CAUTION 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 type of battery
- Do not use any obviously defective devices. If the appliance does not operate normally - especially if unusual noises or odors occur - unplug the mains 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 device 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 leave a still image permanently displayed. This could damage the display.
- Do not open the housing, but contact your specialist dealer or the manufacturer in the event of repairs.
- Work may only be carried out on the device if it has been disconnected from the power source.
- 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.

RISK

Safety instructions for repair and maintenance

- Repairs and maintenance work may only be carried out by customer service or by qualified 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.
- Never open the appliance. This may only be carried out by customer service or by qualified personnel authorized by the manufacturer. Otherwise there is a risk of electric shock.
- Operators may only rectify faults themselves if they are clearly 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 forbidden to modify the appliance.
- Damaged appliances or damaged accessories may no longer be used.

NOTICE Intended use

The tablet is suitable for both commercial and private use. However, for private use, there are also restrictions in functionality that arise due to the native Android operating system. This concerns the integration of certain video and audio codecs and the functionality of some apps offered in the Playstore. We cannot accept any liability for this 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 requirements

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

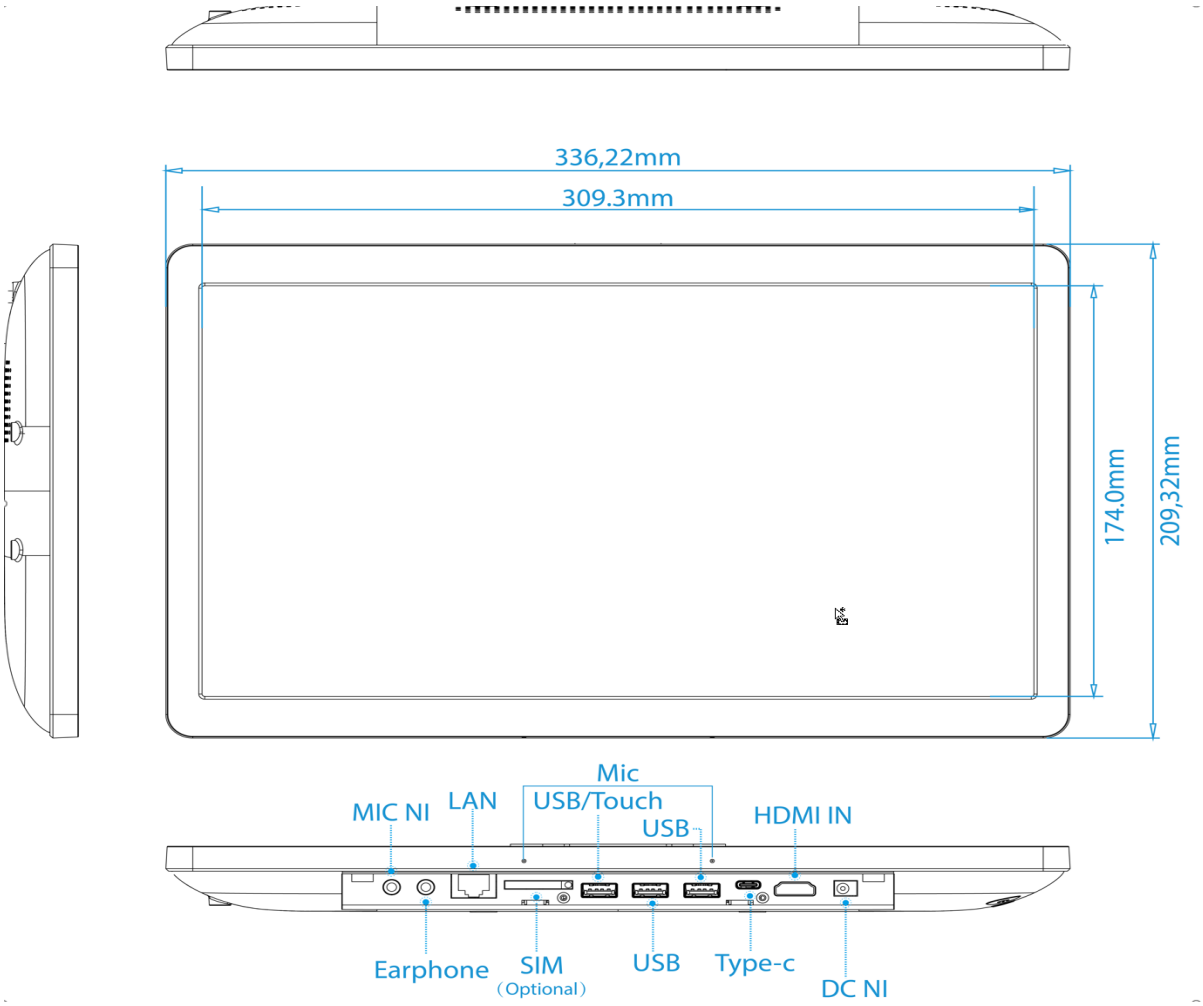
Technical details

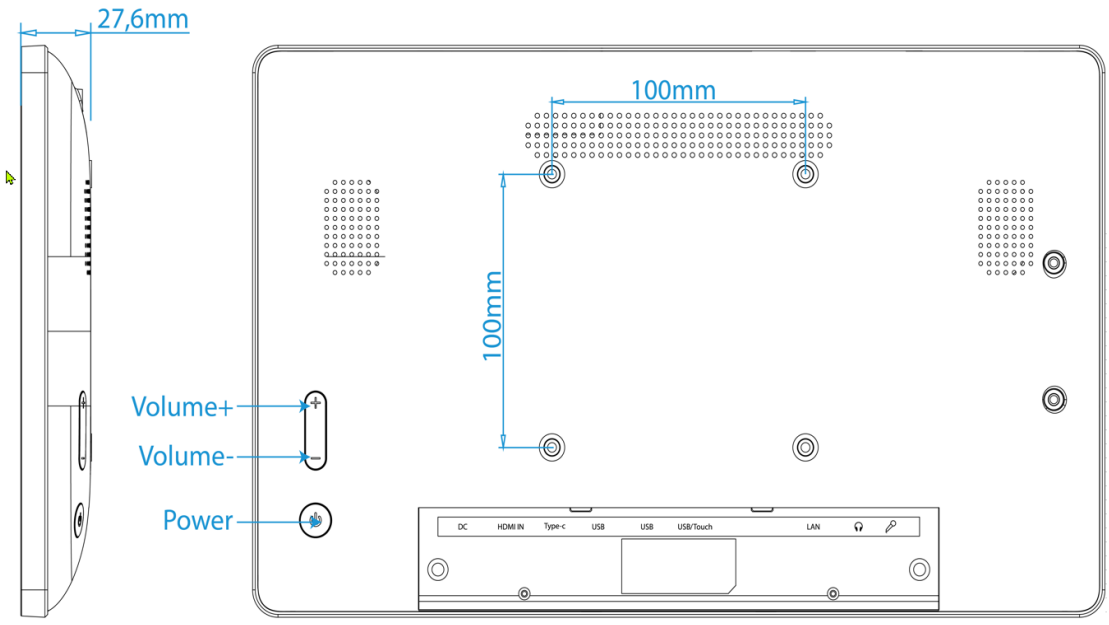
System type	CPU	RK3588S2 Quad core cortex A55+Quad core cortex A76
	RAM	8GB
	Internal memory	128GB
	Operation system	Android 13
Display	Panel Size	14"/16"/21"/24"/32" LED LCD
	Panel Type	IPS
	Resolution	14", 16" 1920*1080; 21", 24", 32" 3840x2160
	Display Colors	16.7M Colors
	Color Gamut	sRGB 99%
	Display mode	Normally black
	Viewing angle	85/85/85/85(L/R/U/D)
	Contrast ratio	1000:1
	Luminance	250cdm2
	Aspect ratio	16:9
	Response Time	14ms
	Back-light Type	Eled
Touch	Model Type	Incell Touch
	Number of points	10-Point
	Interface for touch	HID-USB
Network	WiFi	802.11b/g/n/a/ac/ax 2.4/5GHz (WiFi 6)
	Ethernet	100M/1000M
	Bluetooth	Bluetooth 5.0
Interface	Power Jack	DC power input
	MIC IN	External microphone input
	Earphone output	3.5mm earphone output
	Type-c	Full Function (Except for charging function)
	SIM Slot	no
	USB	Standard USB 2.0 Host
	USB	USB 3.0
	USB 3.0	USB 3.0
	HDMI IN	Support HDMI 2.0 (Touch Support USB)
	RJ45	Ethernet interface
Other	Product Colors	white/Black
	VESA	100mm*100mm
	Button	Power/Vol+/Vol-
Other power	Speaker	4Ω*5W*2
	Microphone	Built in dual Microphone , Support noise reduction and echo cancellation
	NFC	no
	G-sensor	Support 90 degrees
	Camera	no
	Language	Multi-language
	Certificates	CE/FCC
	Power Type	adapter
	Input Voltage	DC 12V/4A
	Power consumption	≤25W
Working Surrounding Accessories	Storage Temperature	-20℃---60℃
	Working Temperature	0℃---50℃ 10~90%RH
	Adapter	Adapter,12V/4A
Working Surrounding	User manual	yes

Plug-in power supply	
manufacturer	Shenzhen Fujia Appliance Co, Ltd Address：5F of Building F, Hengchangrong (xinghui) Sci-Tech. Park, Huaning Road, Longhua District, Shenzhen, Guangdong, P.R. China
Type	FJ-SW20261203000
Input voltage	100-240Vac
Input frequency	50/60Hz
Input current strength	1.5A
Output voltage	12V
Output current	3A
Output power	36W
Average efficiency in operation	87,40%
Efficiency at low load (10 %)	75,59%
Power consumption at no load	0.1W Max
Energy efficiency class	VI

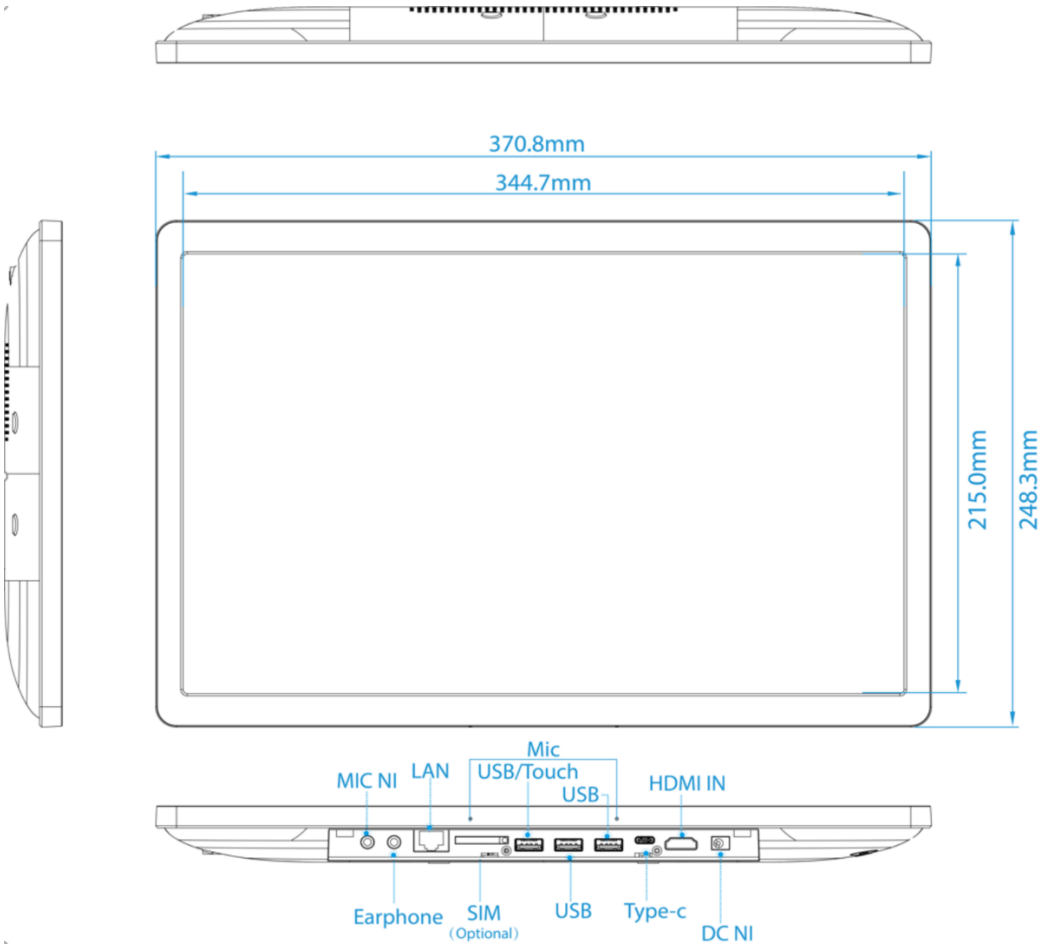
Dimensions

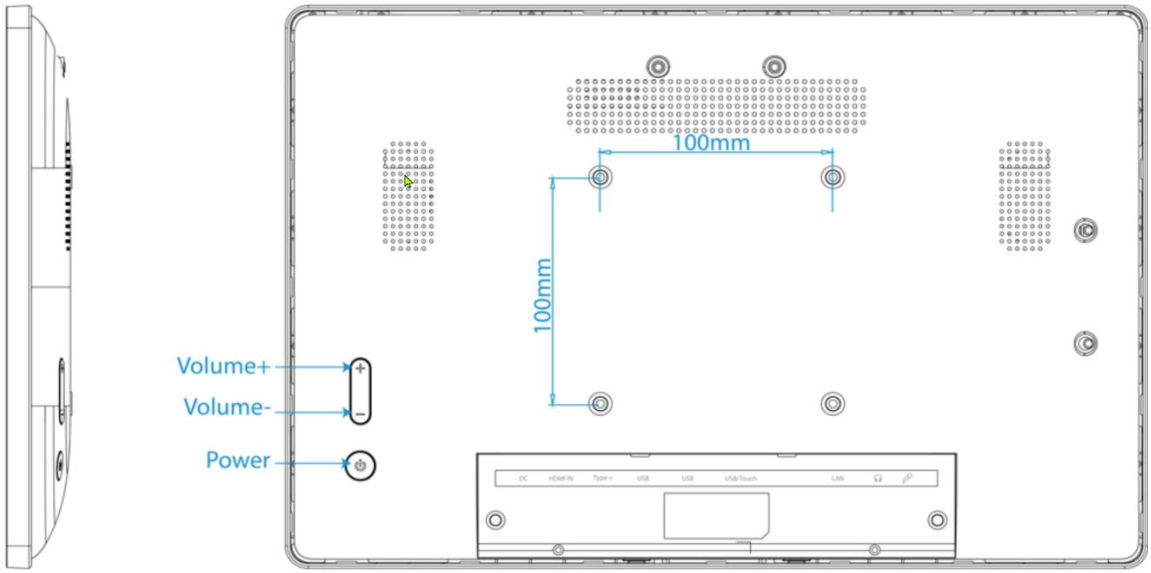
Tablet 14 inch



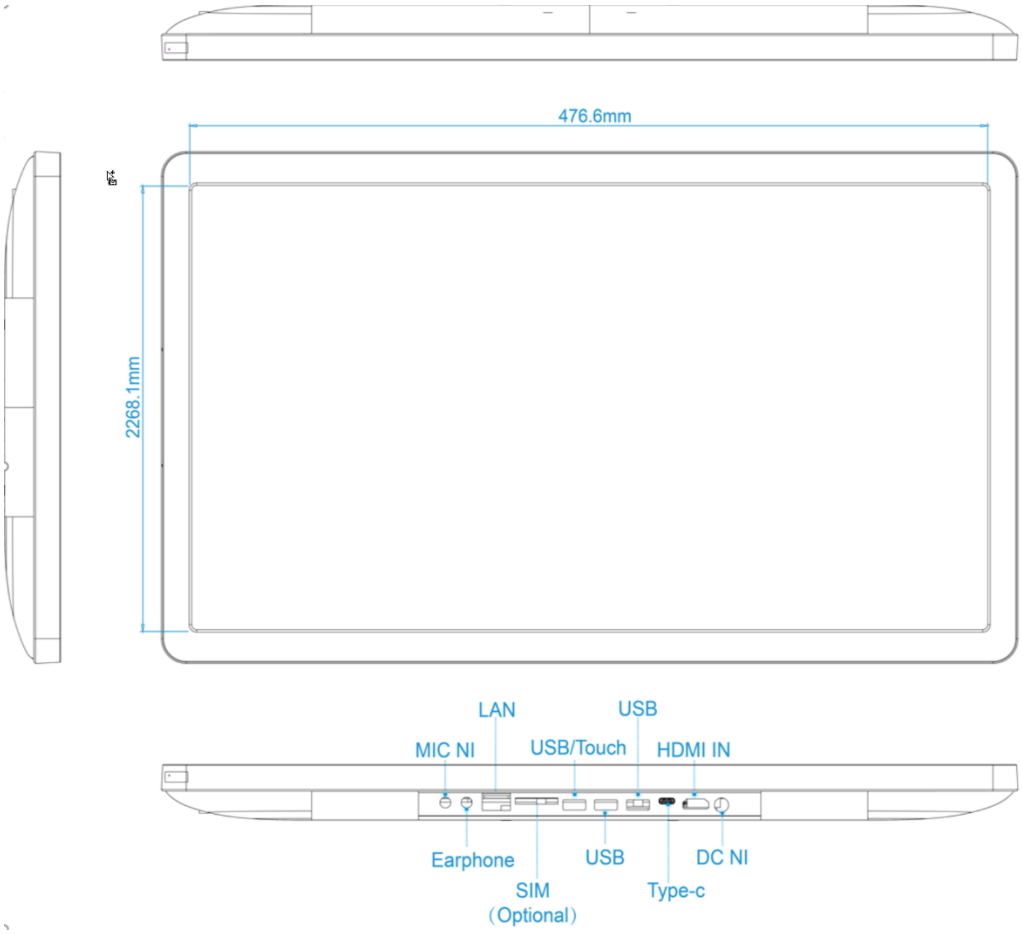


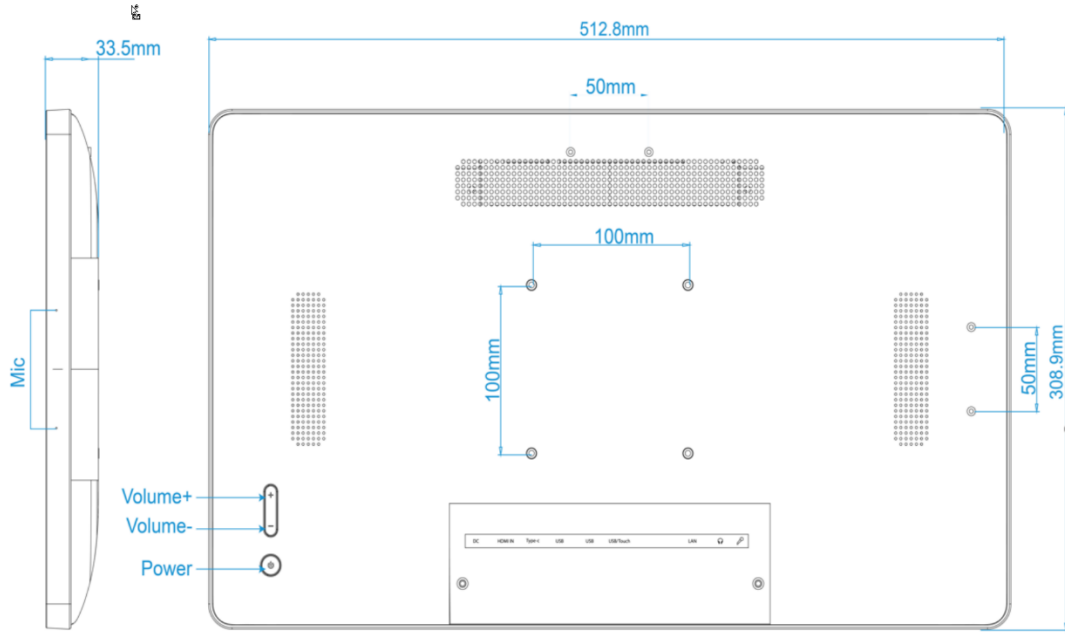
Tablet 16 inch



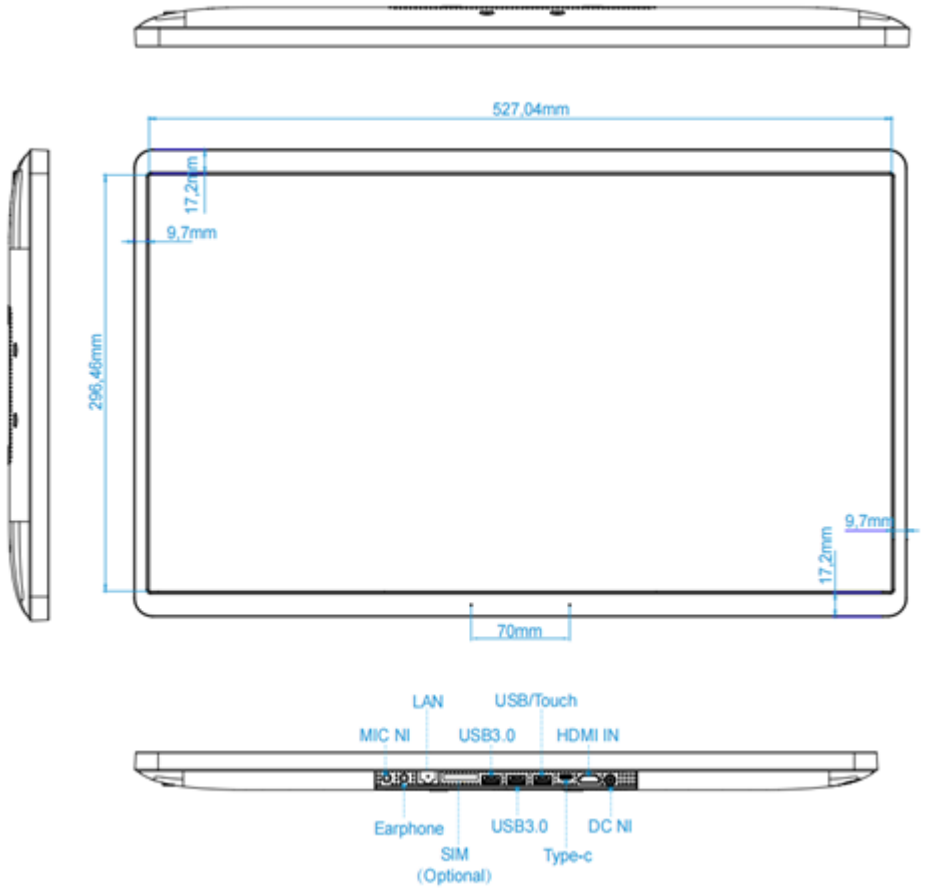


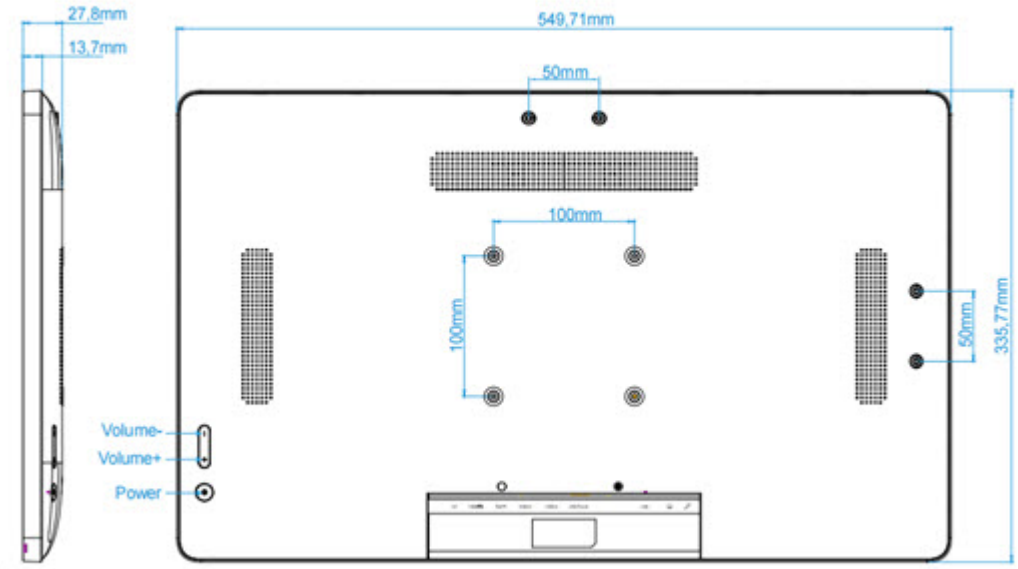
Tablet 21 inch



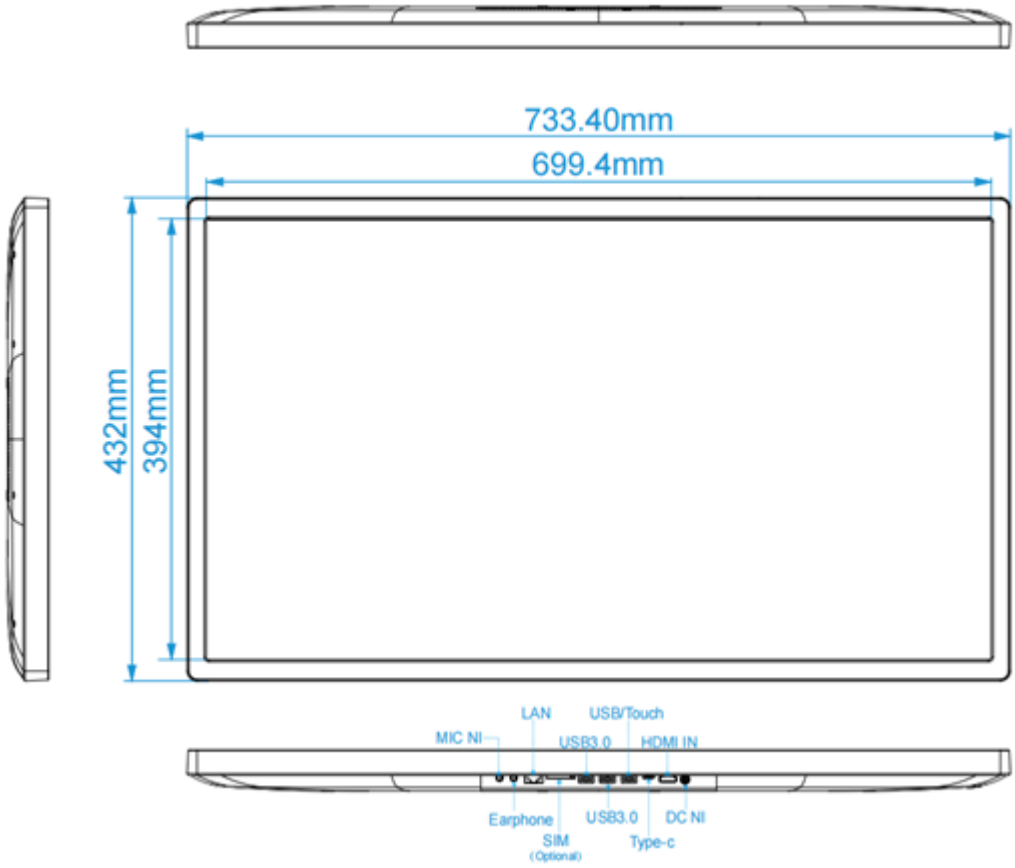


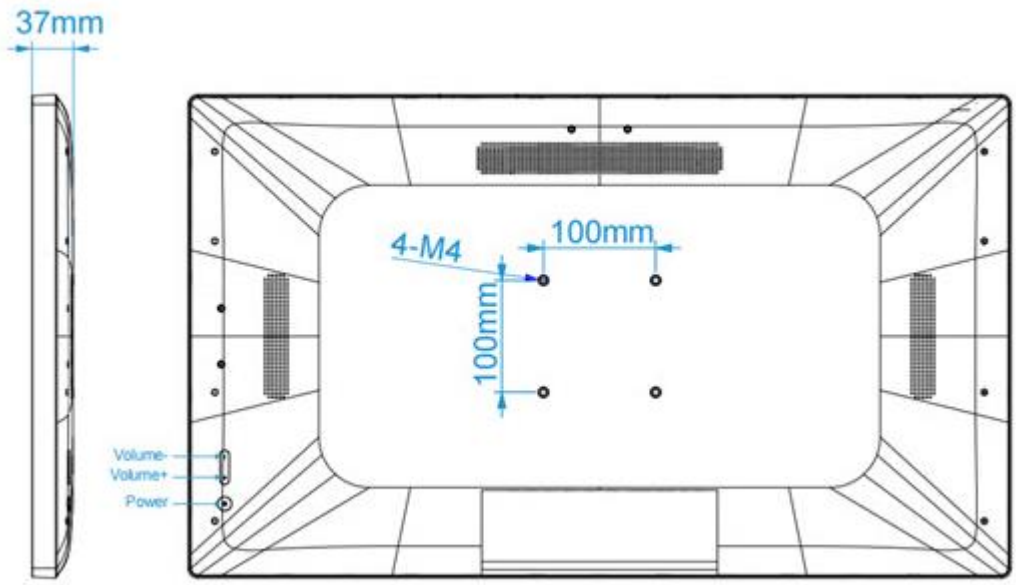
Tablet 24 inch





Tablet 32 inch





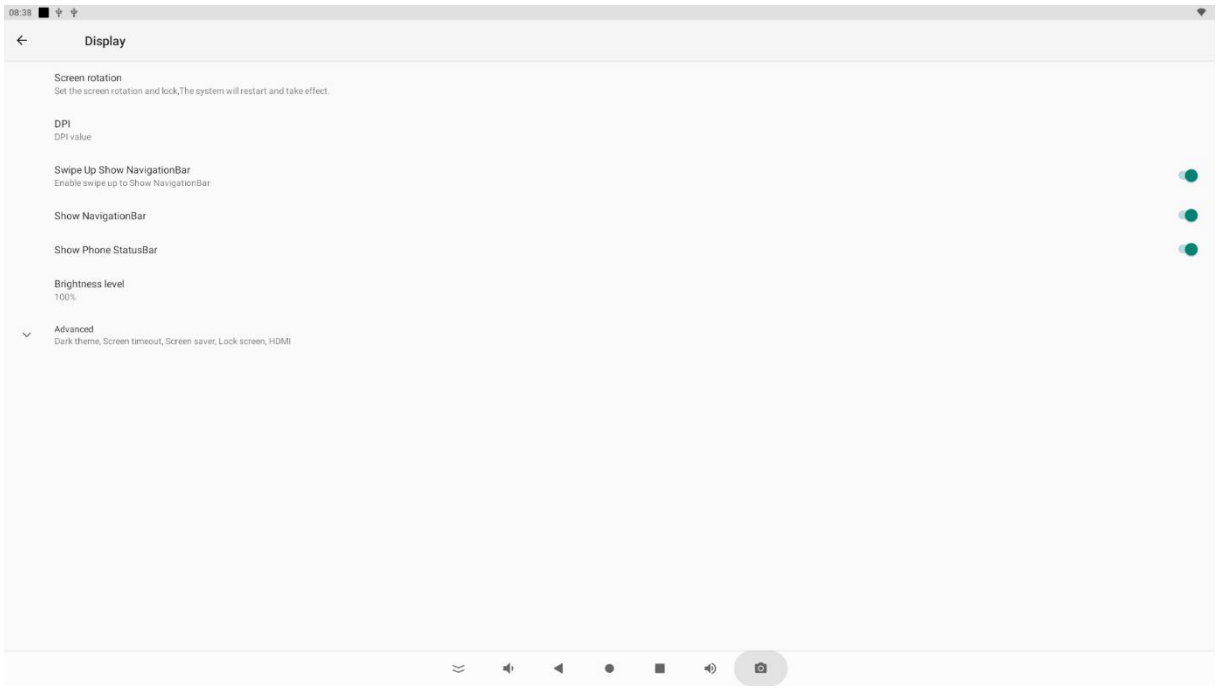
Operation

Android based on AOSP is an open system that cannot be compared with Android UIs from other manufacturers. We cannot provide support for incompatible apps from the Playstore or our own apps. **This is a guide for Android in general, but the Android versions differ depending on the version of the operating system. Please use the Internet to research this.**

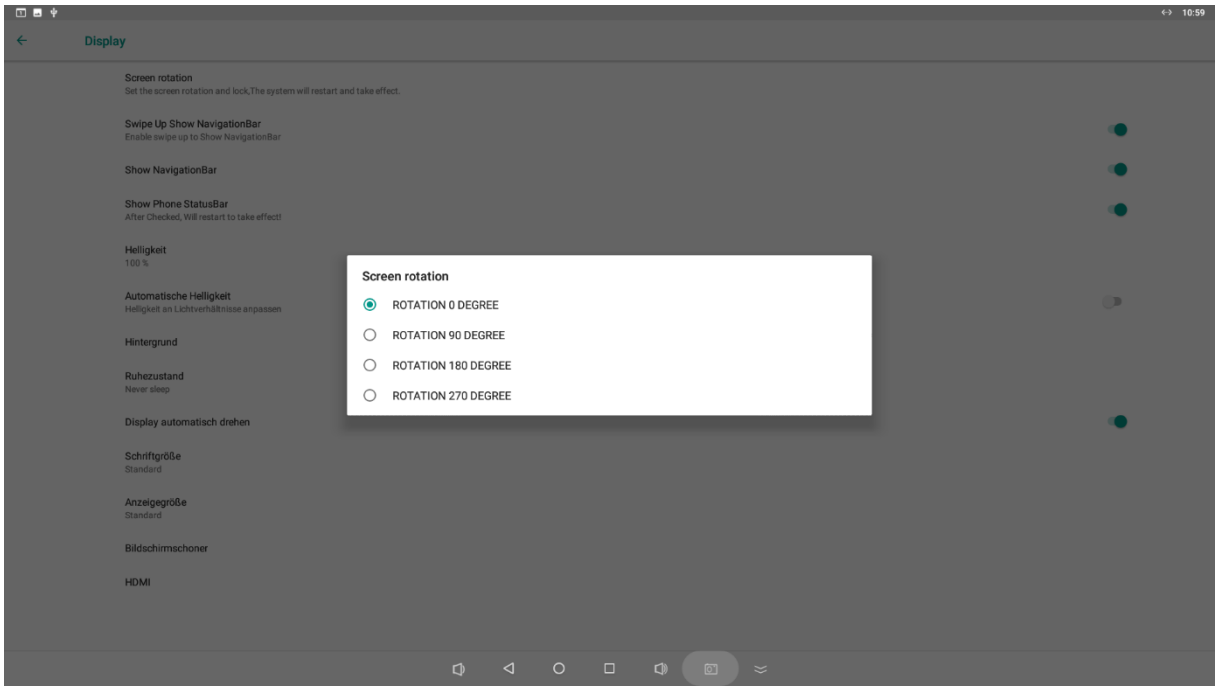
Connect the tablet to the power supply. The tablet starts automatically.

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.

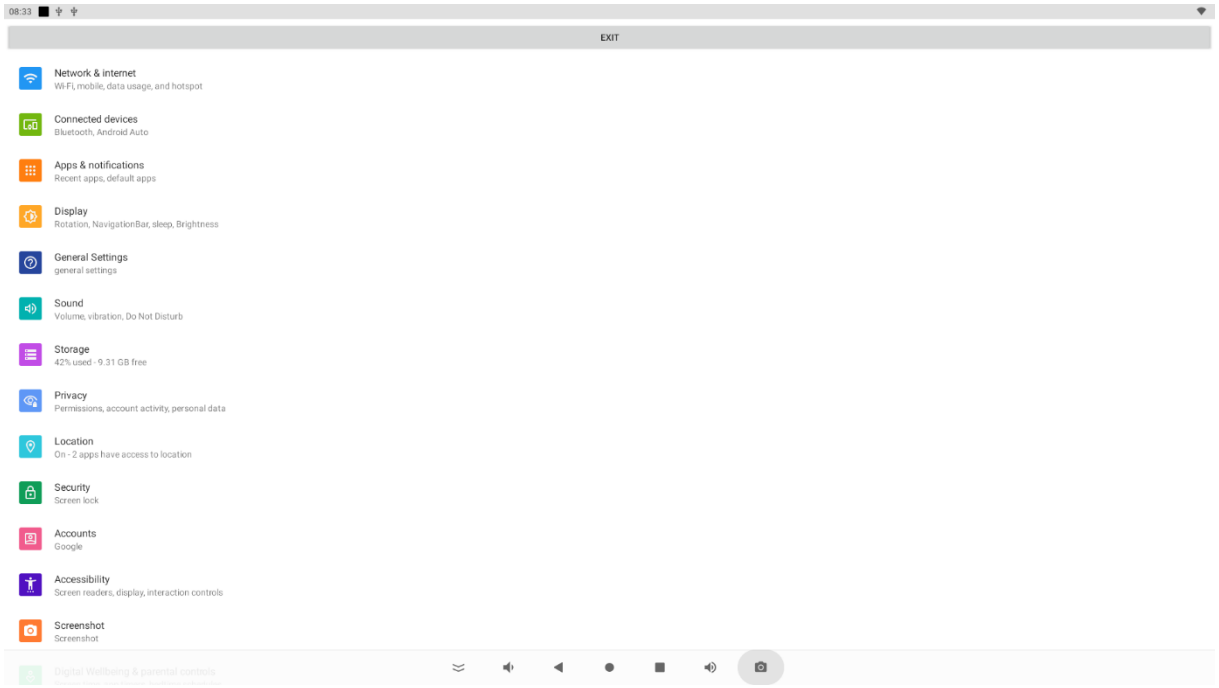


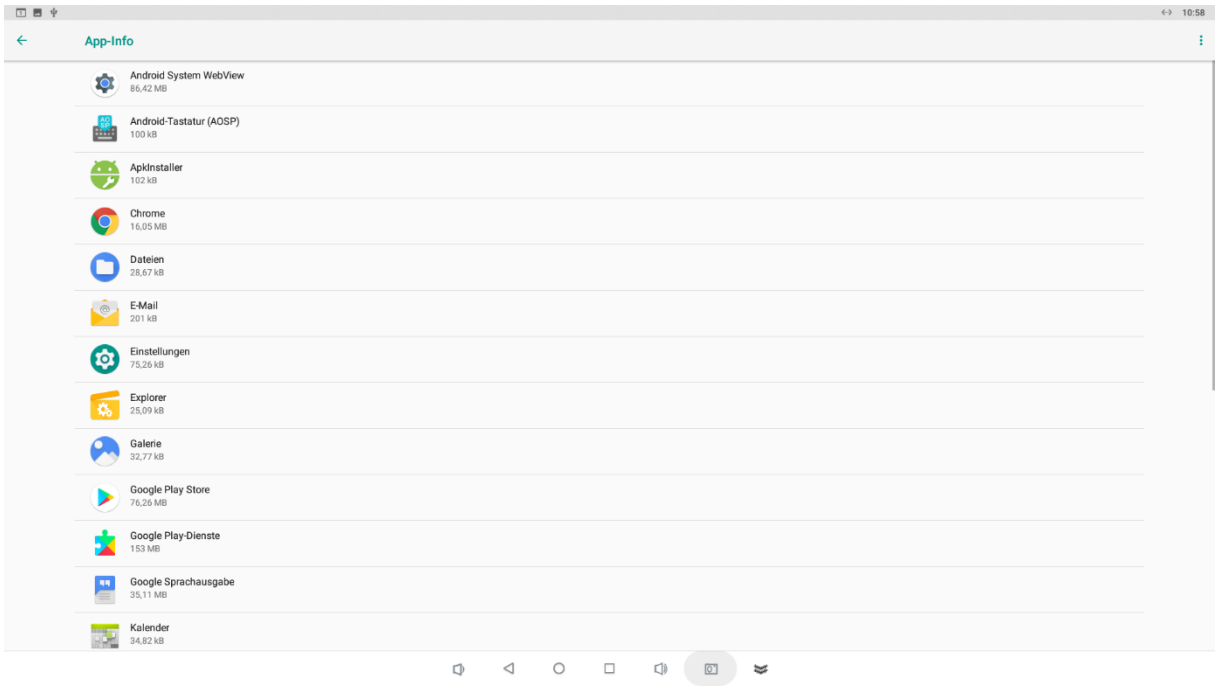
Display sizes Change DPI

The content of the displays can be resized. This is important if you change to a different resolution with software such as Esy DPI Changer. To do this, please go to the Display/display size settings. You can now adjust the content using the slider.

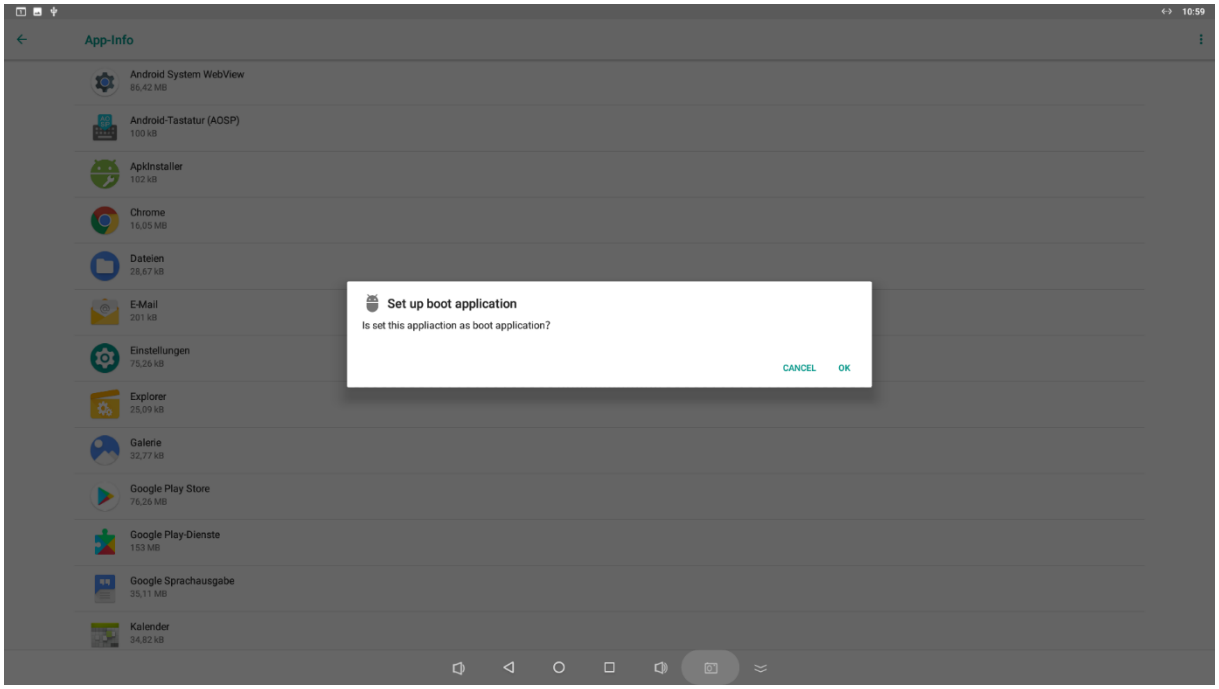
Automatic start of an application

You can use this function to start an app automatically. To do this, please go to Settings/Apps & notifications. There, click on Show all apps.





Now select the desired app and press and hold on it until the following pop-up window appears for confirmation.



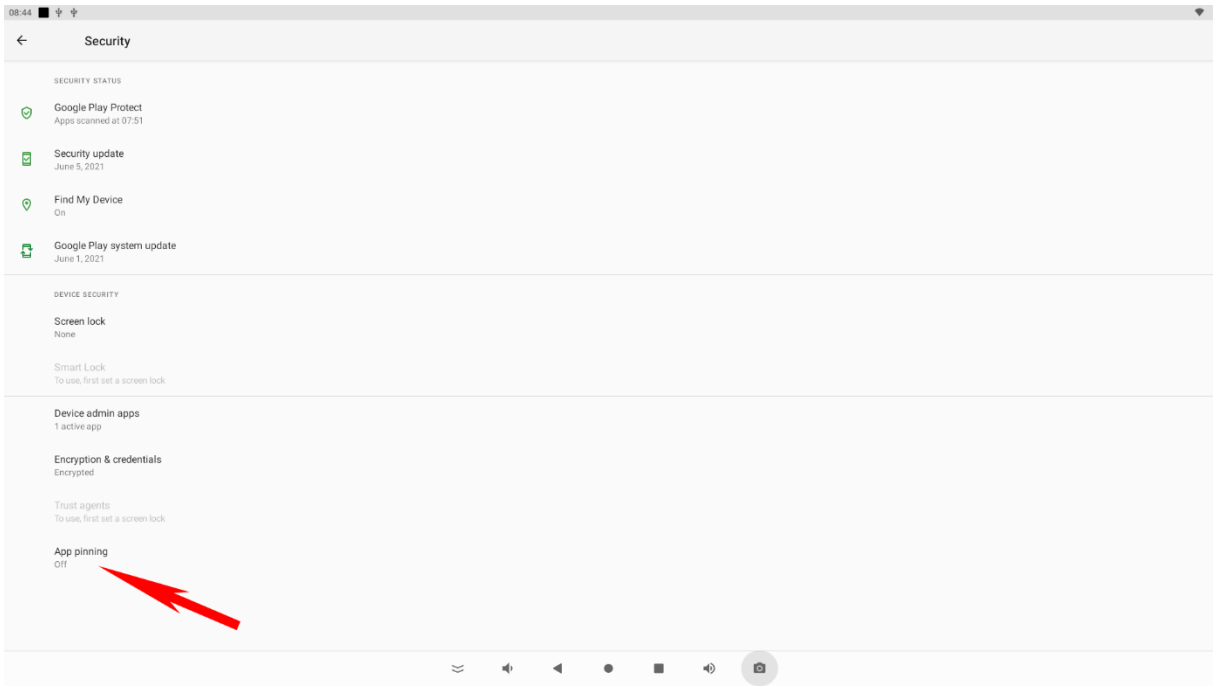
Confirm with Ok. The application starts automatically when you restart it.

Fixing an APP

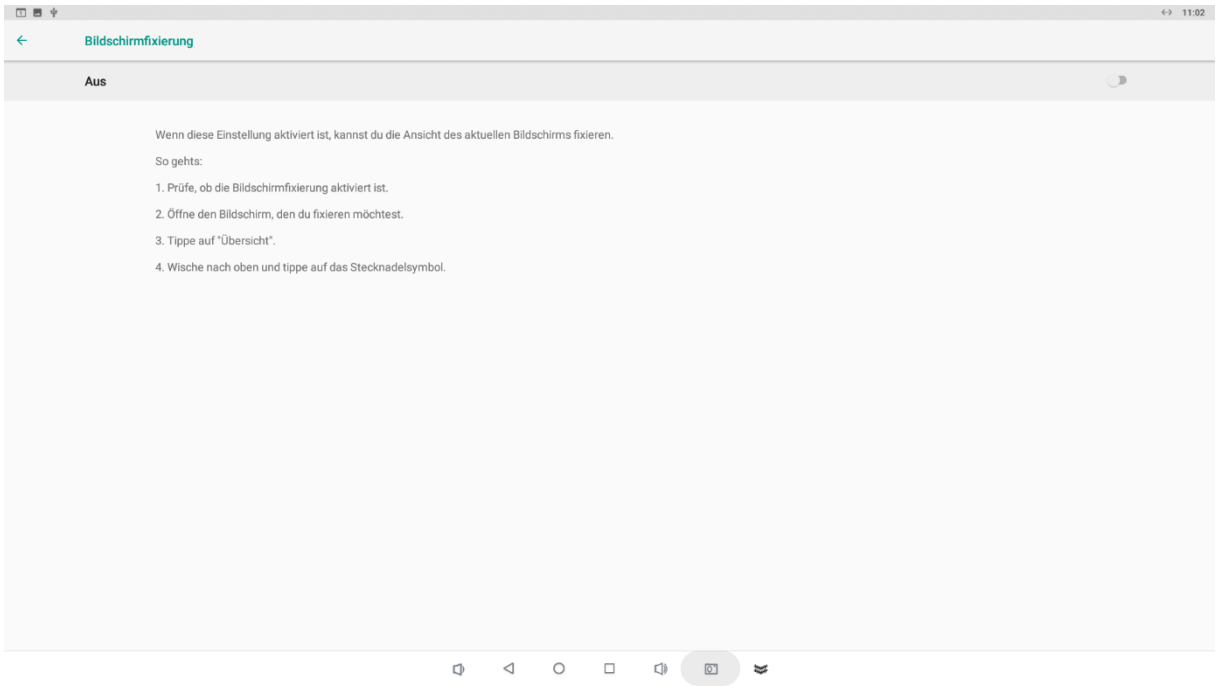
Please note:

This kiosk mode has been natively integrated into Android from version Lollipop. 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 "Ekiosk Browser". Go to Settings/Security and click on "Advanced" Screen lock.

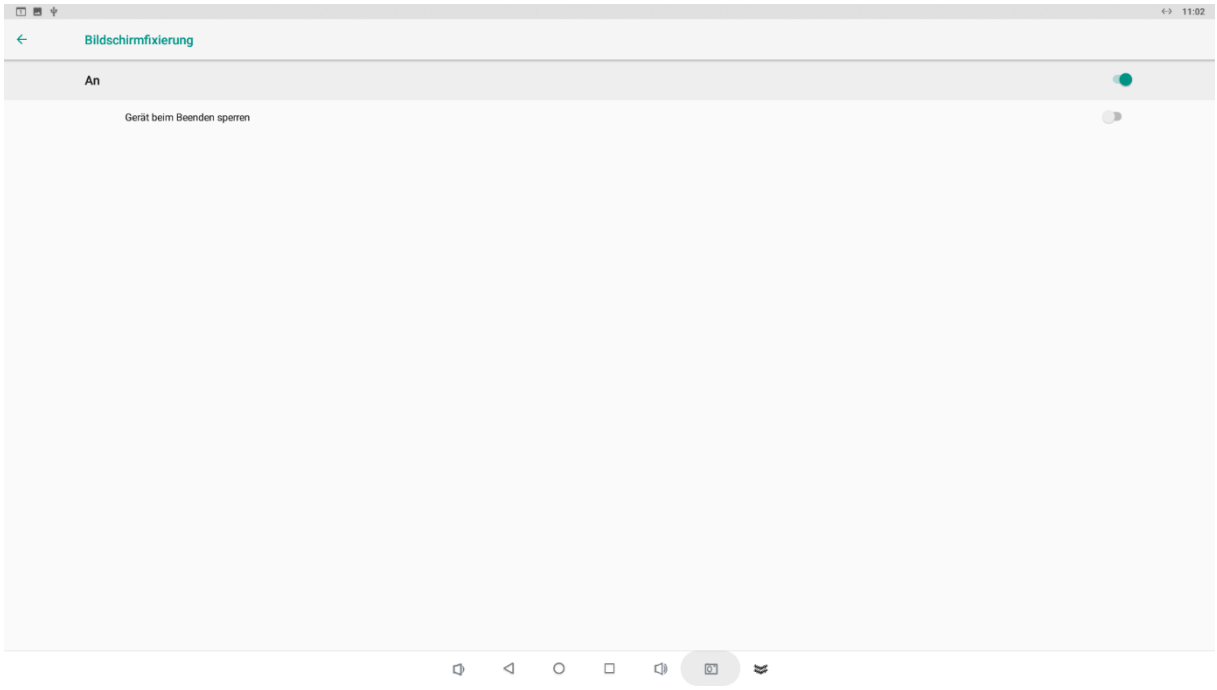
There, please go to the item "Screen fixation/App pinning" and click on it.

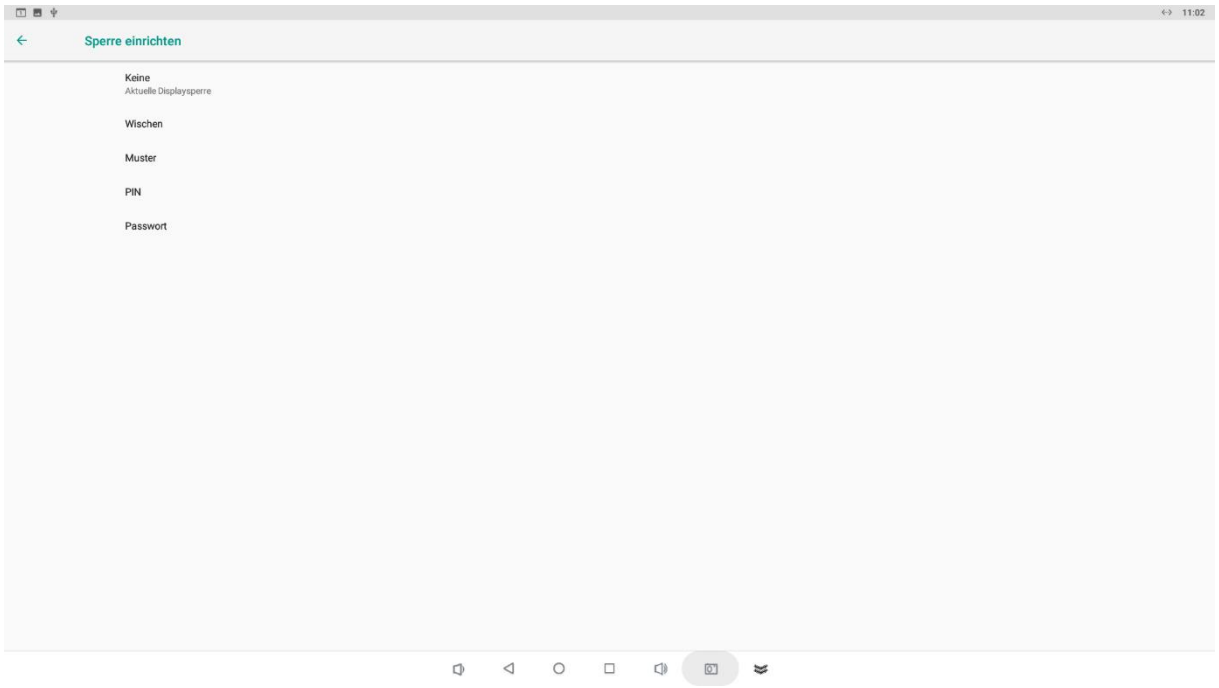


You can now switch on the main switch.

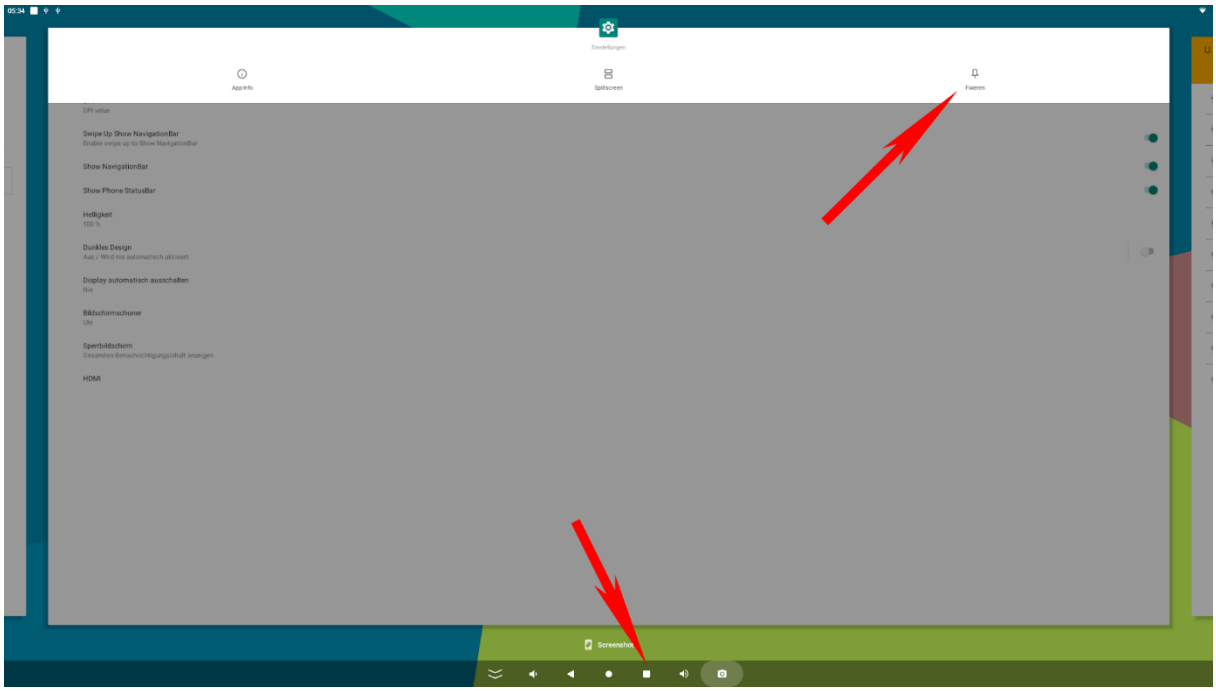


As an option, you can also install a security feature that locks the tablet when the app is closed.





You will find the most recently opened apps under the square in the navigation bar. Click on the middle icon at the top of the app you want to use.

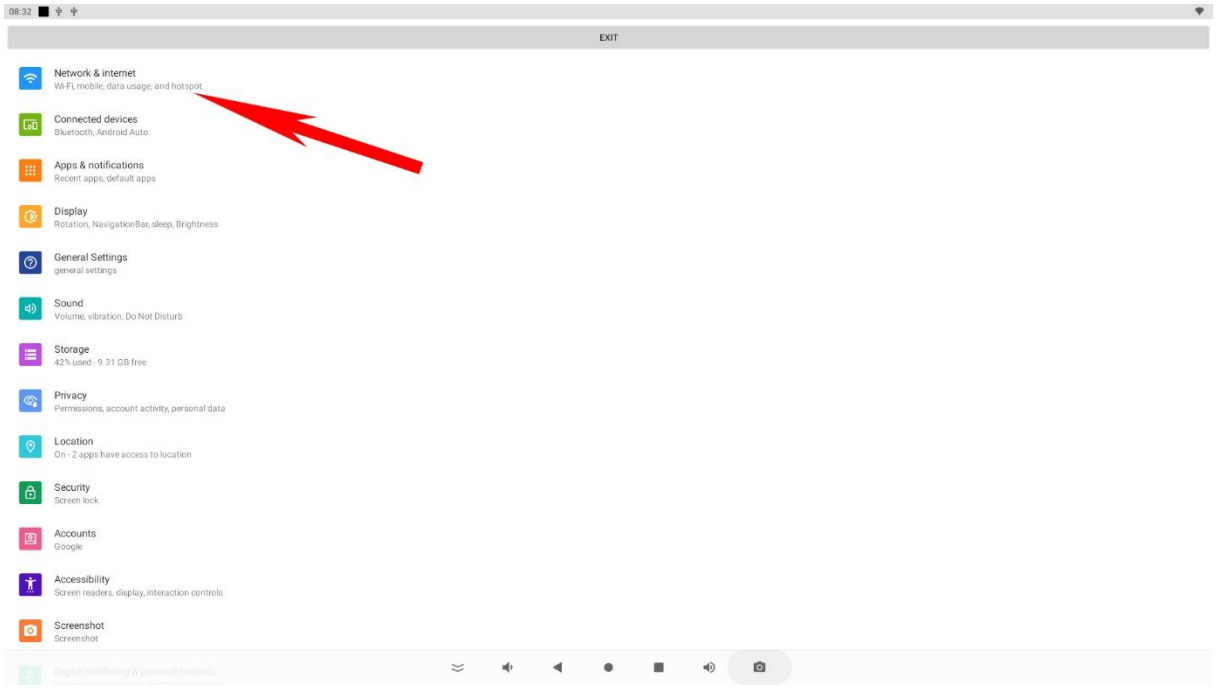


This screen fixation is no longer active after a restart and the fixation procedure must be carried out again.

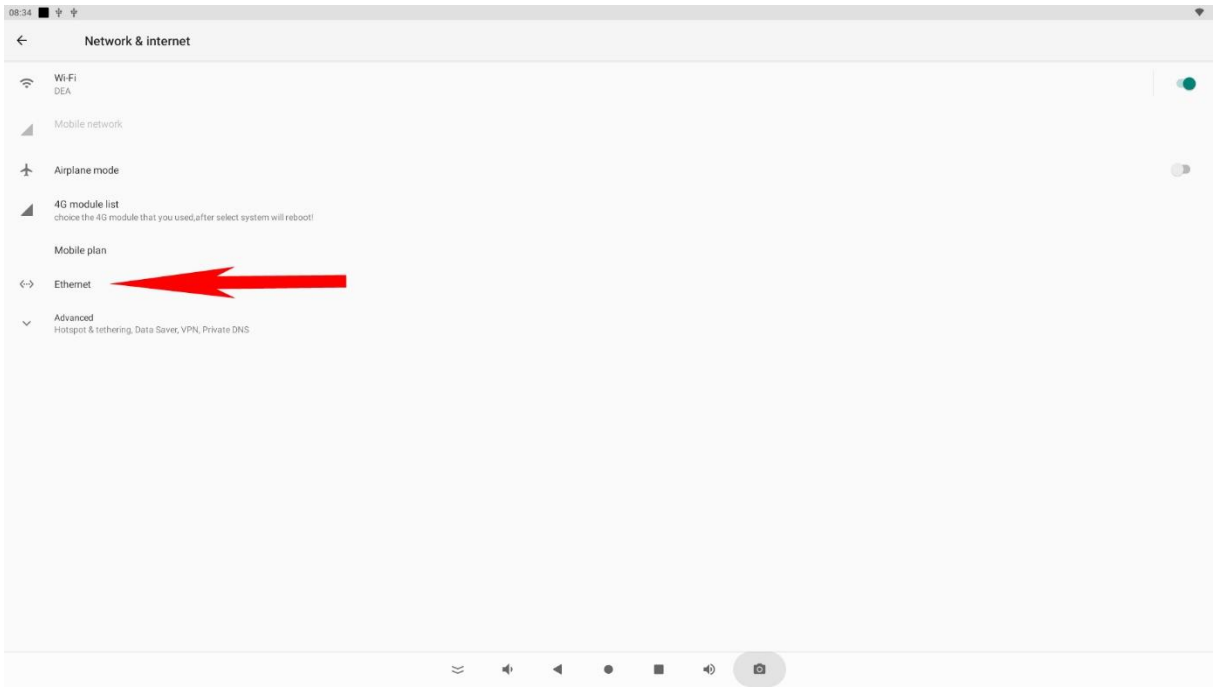
Ethernet setup

Open the " Settings"

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

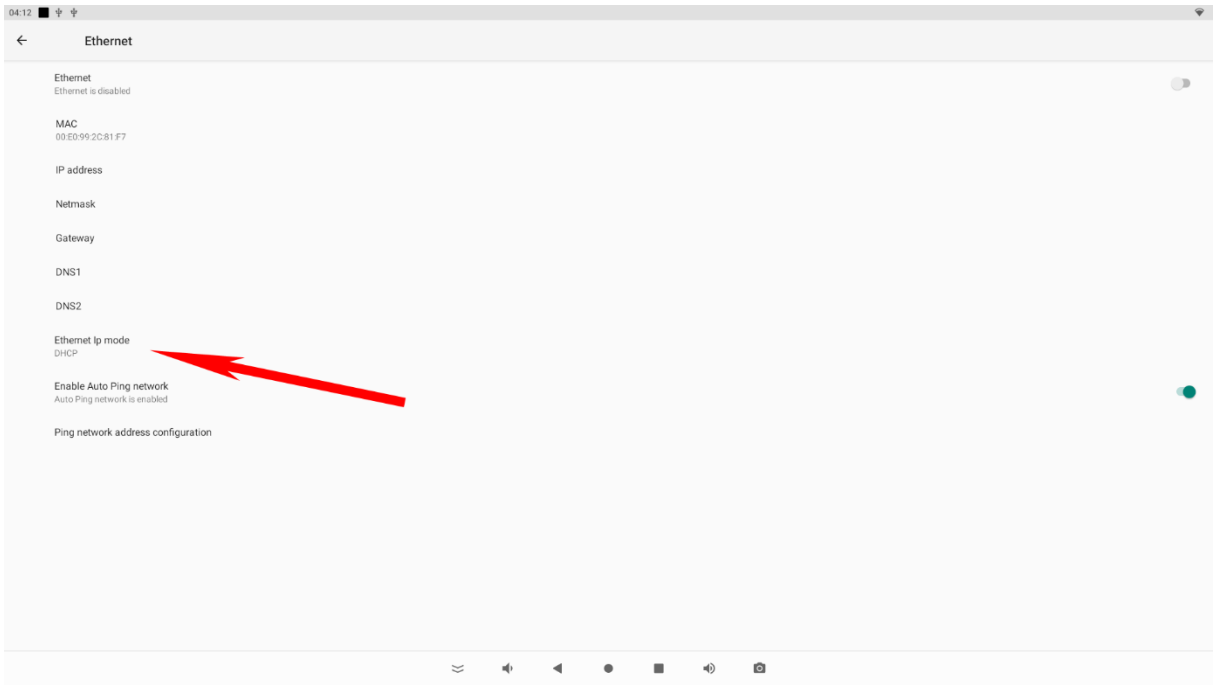


Please click on "Ethernet



If the switch is not activated, please press it.

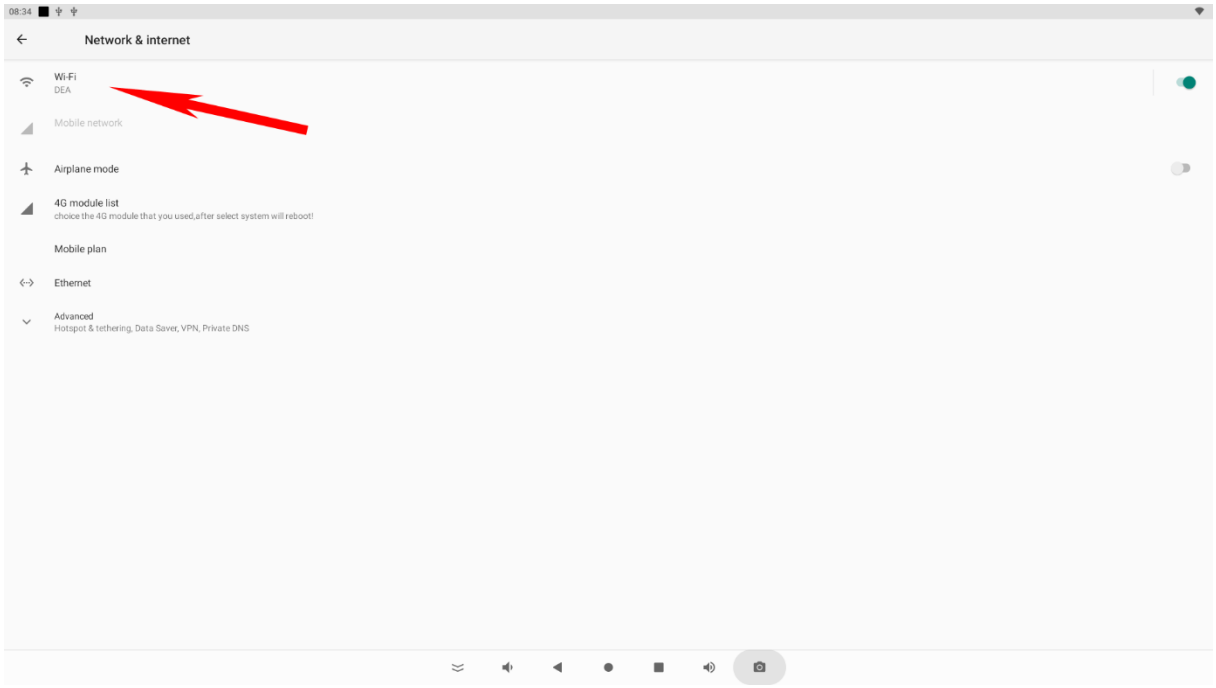
Under "Ethernet Ip mode" you can select DHCP or Static Ip.



W-LAN setup

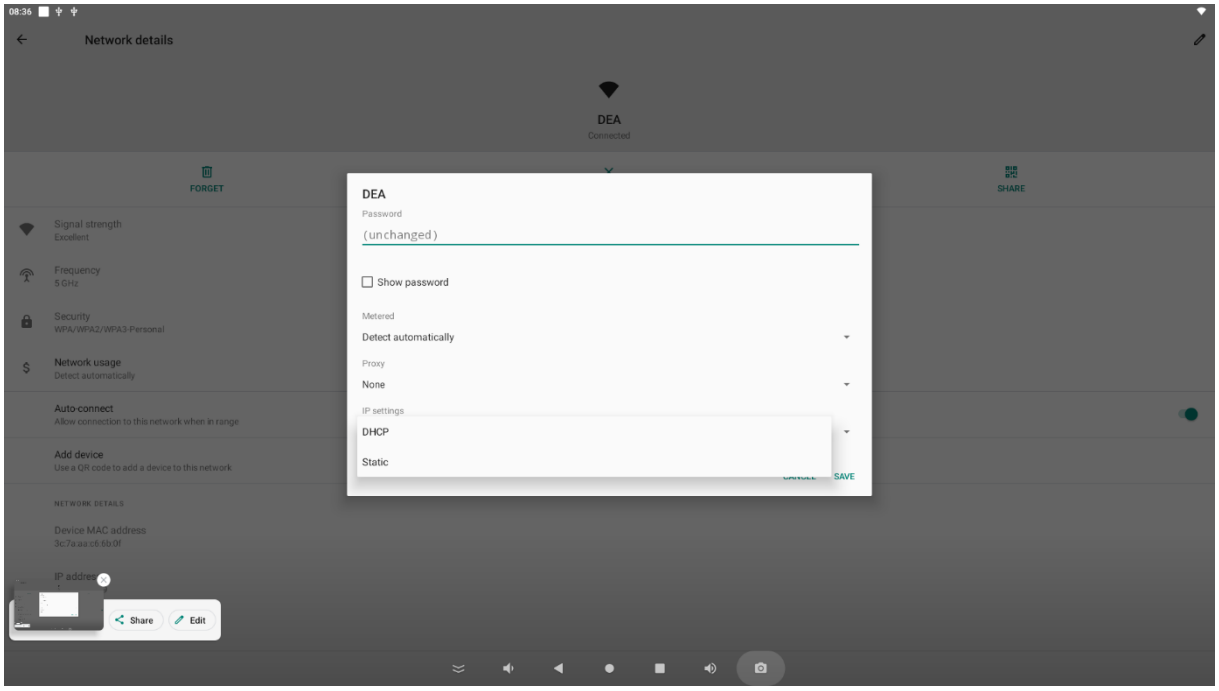
Open the "Settings" app

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

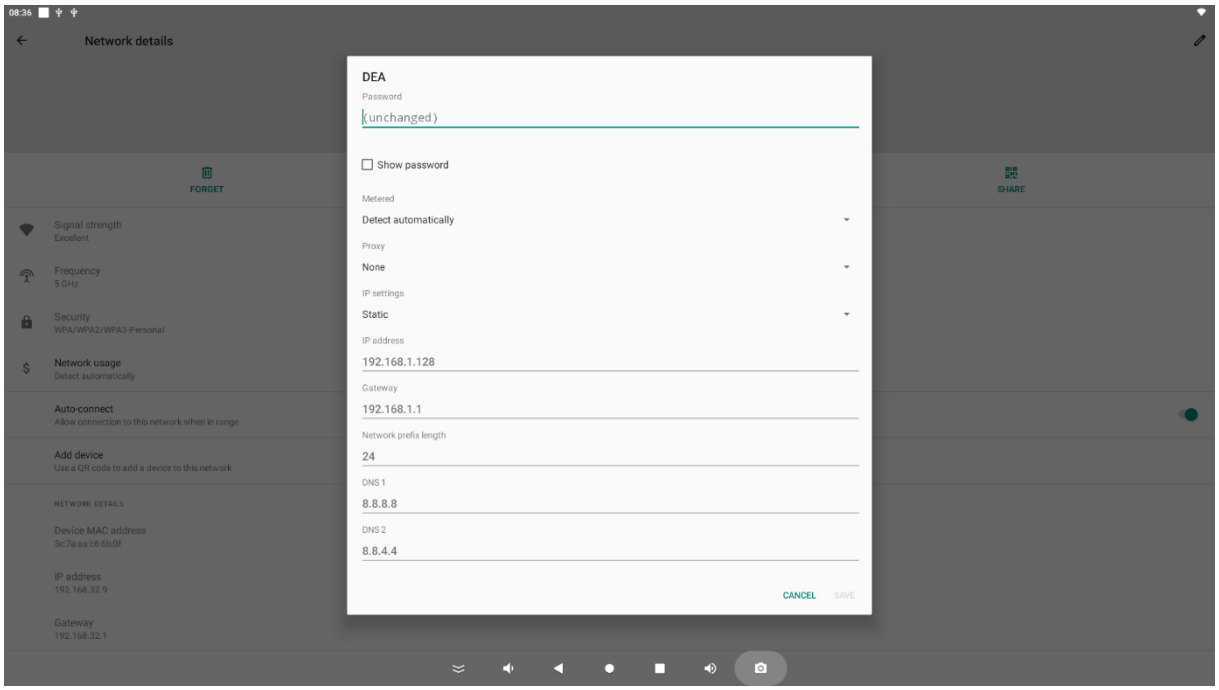


Select the desired WLAN network and enter the password if necessary

Once the connection has been successfully established, the tablet automatically connects to the network if it is within range.



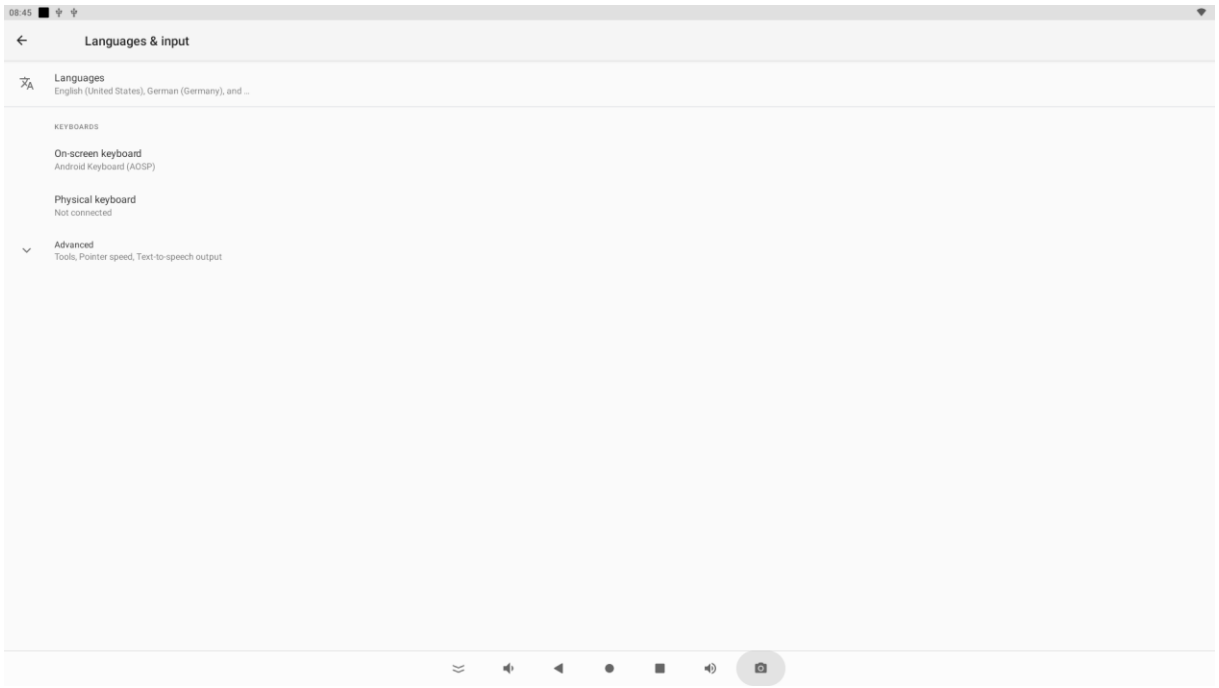
You can set up a static network connection under IP Setting. By clicking on "static", you can set up the IP address, gateway and DNS server.

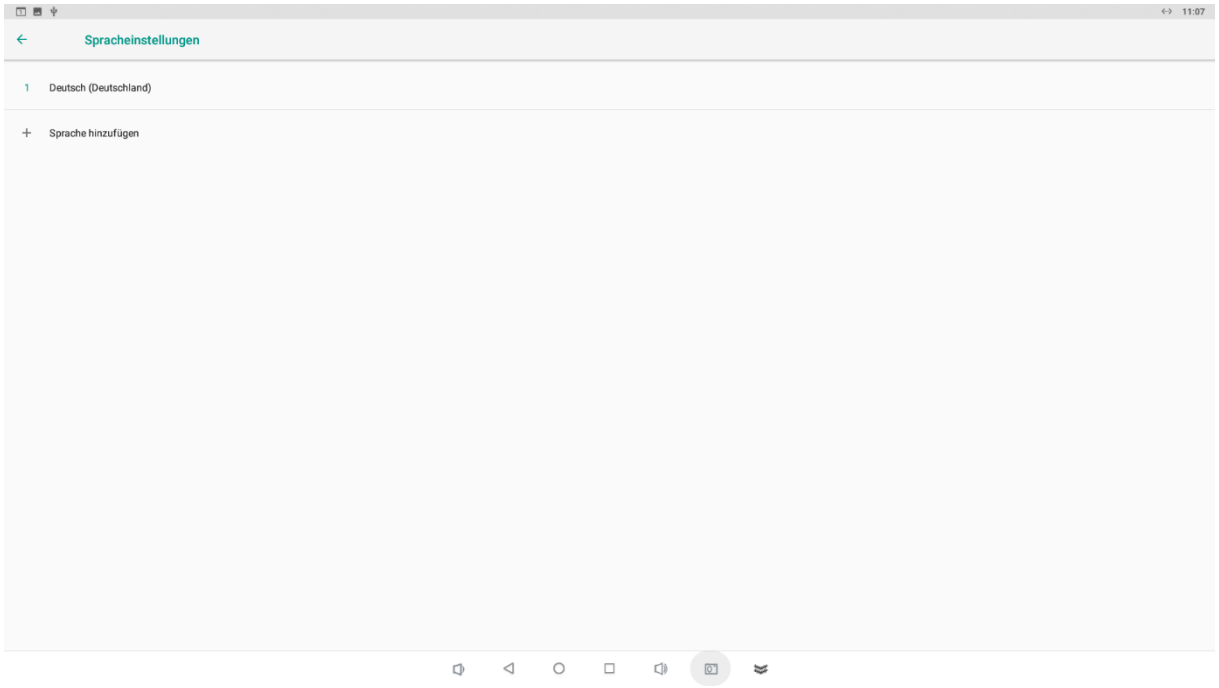


Settings Change language

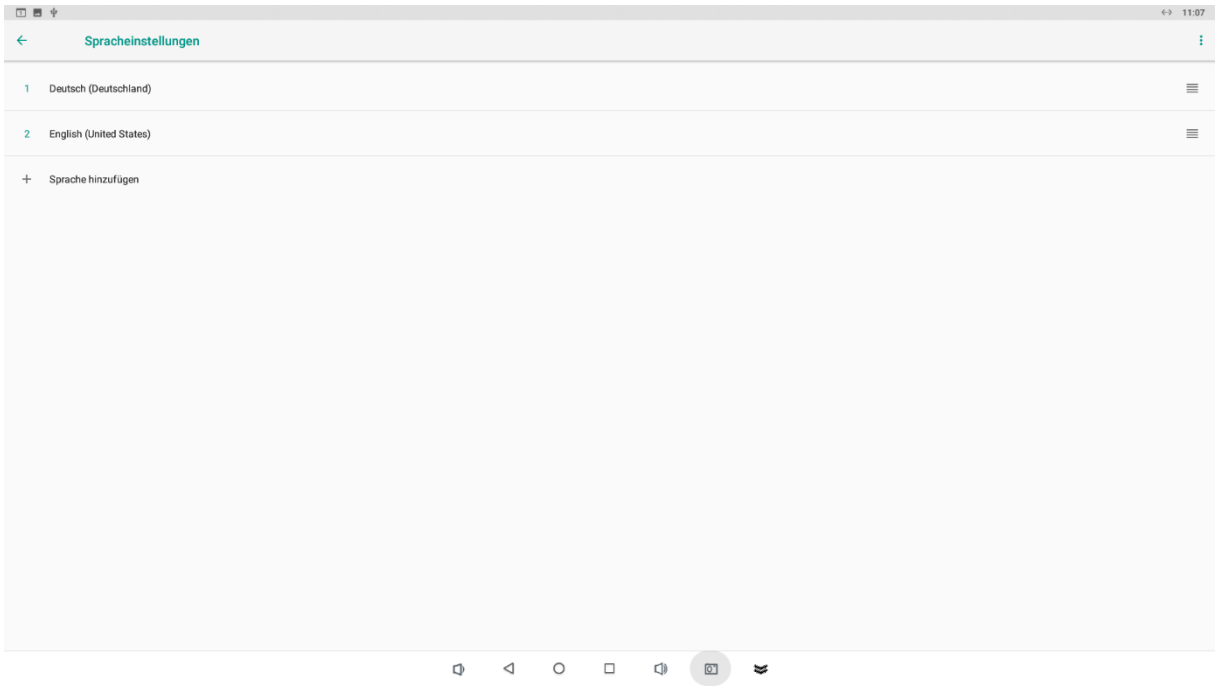
Open the "Settings" app

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





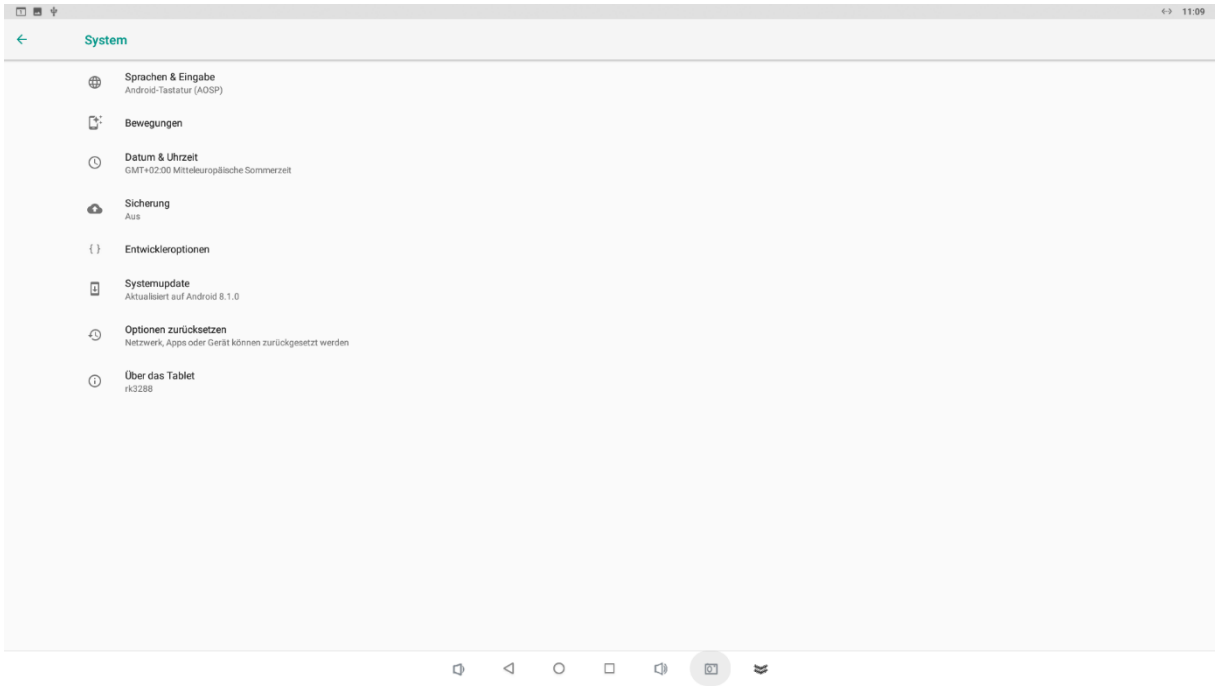
Activate the language by dragging the language upwards on the right-hand edge.



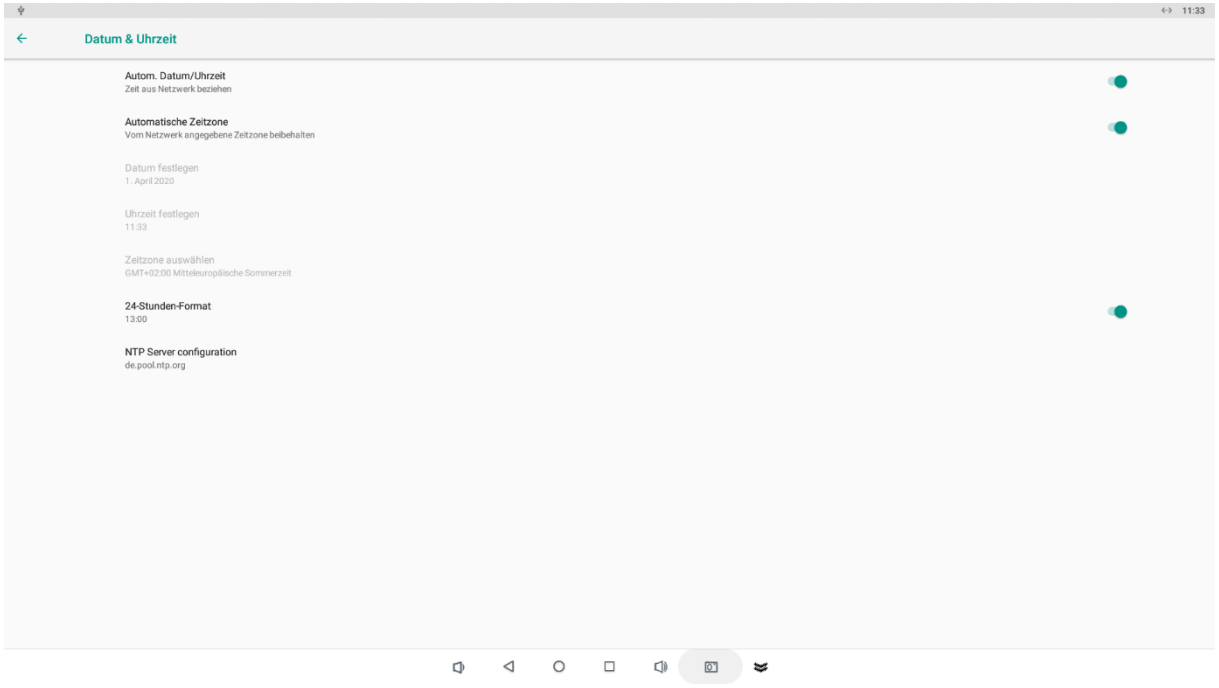
Change time zone, date and time settings

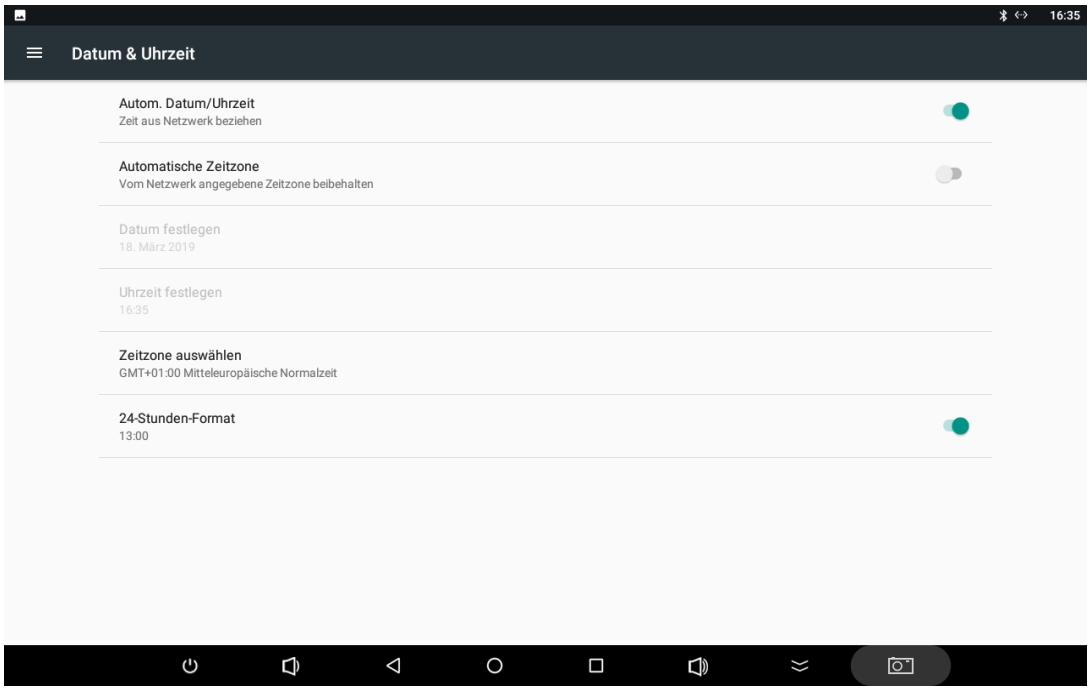
Open the "Settings" app and select "System".

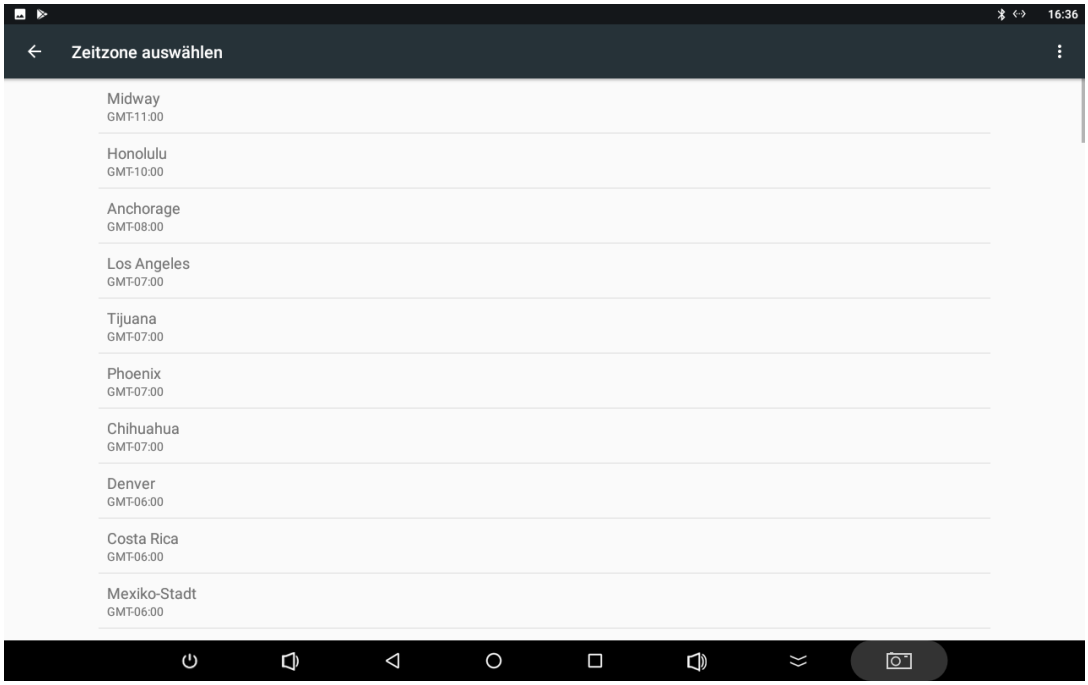
Select the "Date and time" menu item from the "System" menu item.



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



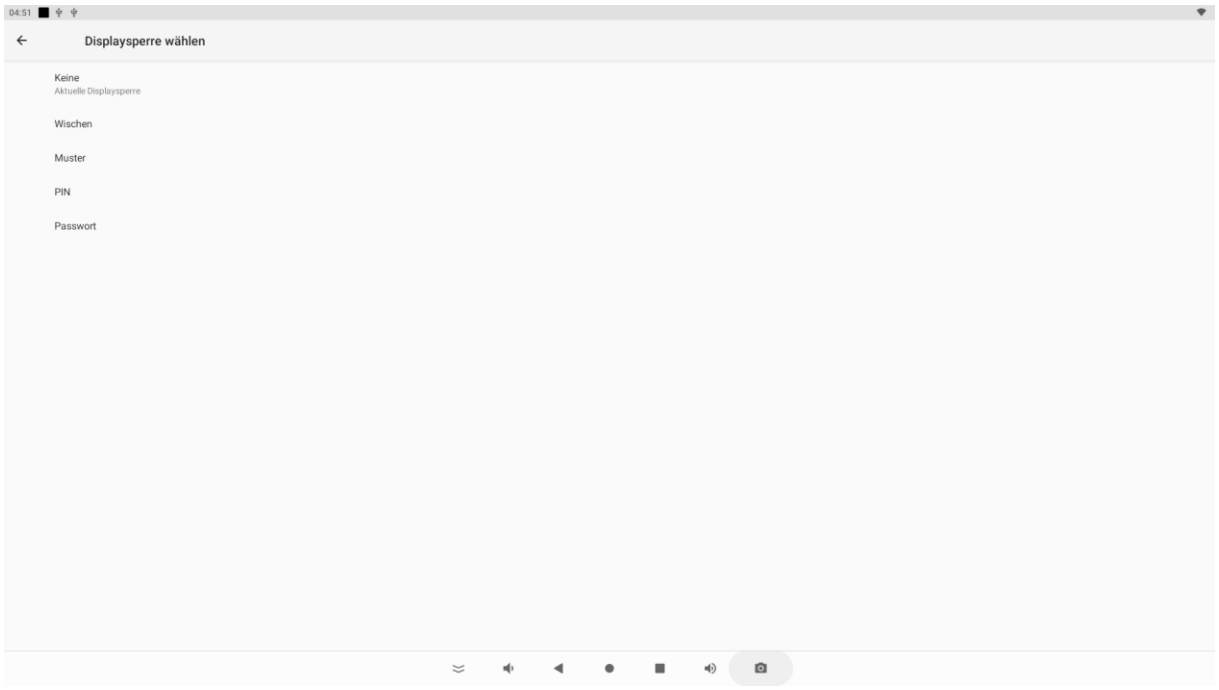



16:36
Zeitzone auswählen
Midway
GMT-11:00
Honolulu
GMT-10:00
Anchorage
GMT-08:00
Los Angeles
GMT-07:00
Tijuana
GMT-07:00
Phoenix
GMT-07:00
Chihuahua
GMT-07:00
Denver
GMT-06:00
Costa Rica
GMT-06:00
Mexiko-Stadt
GMT-06:00

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

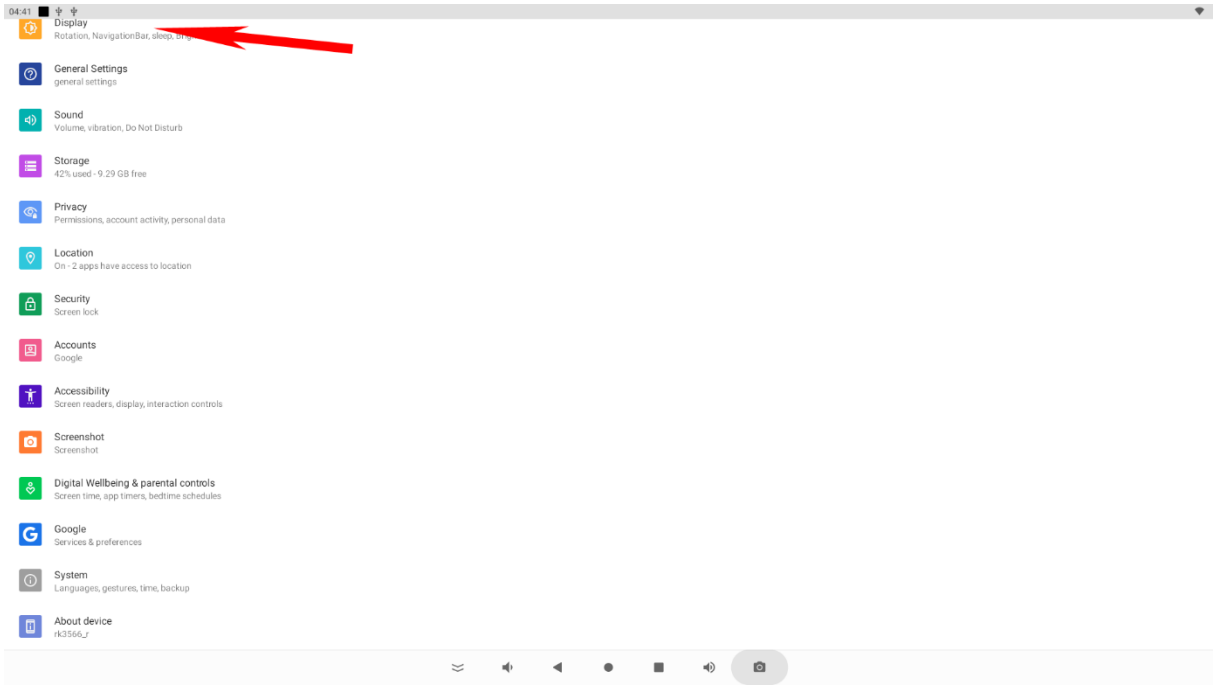
Open the "Settings" app

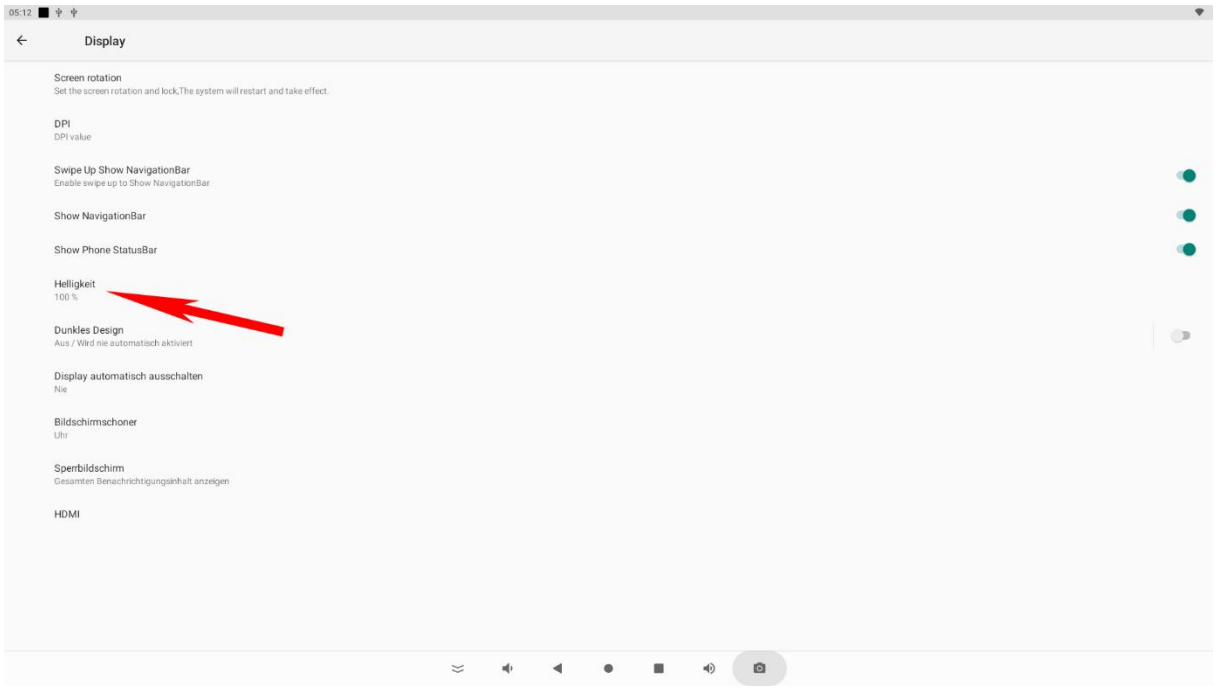
Select the "Sounds" menu item from the "Device" menu item. Here you can set the volume for media playback, alarm clock and notifications.

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.

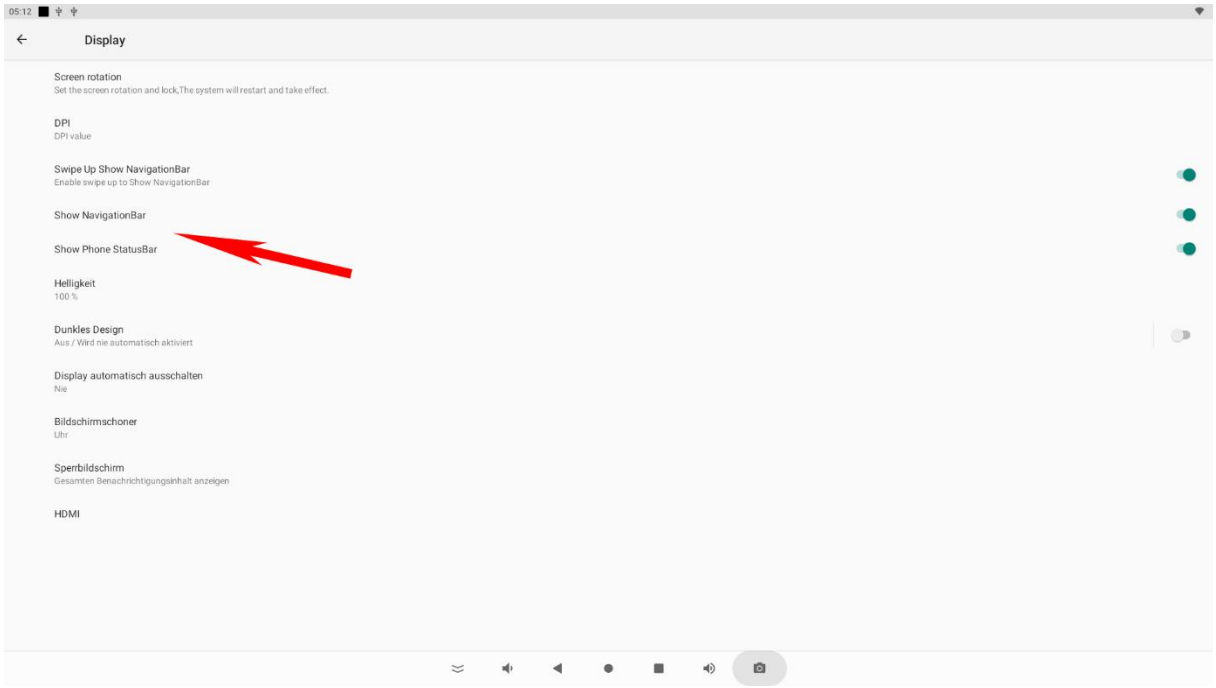




Hide navigation bar/status bar

Open the "Settings" app

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

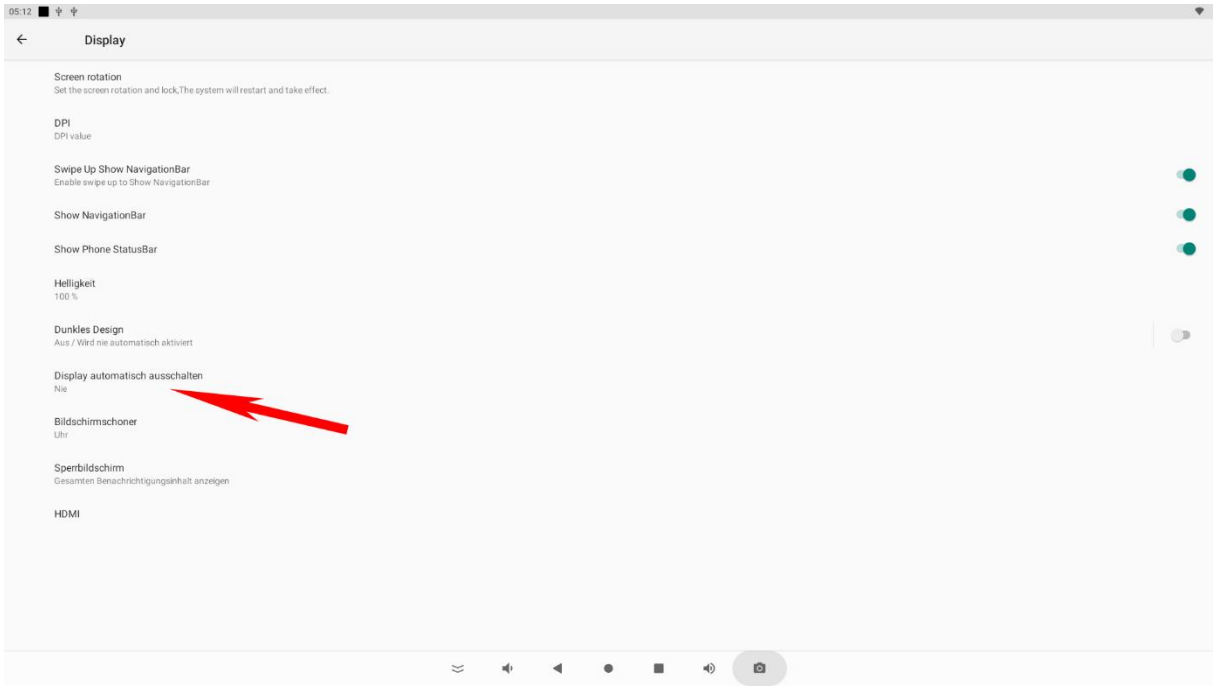


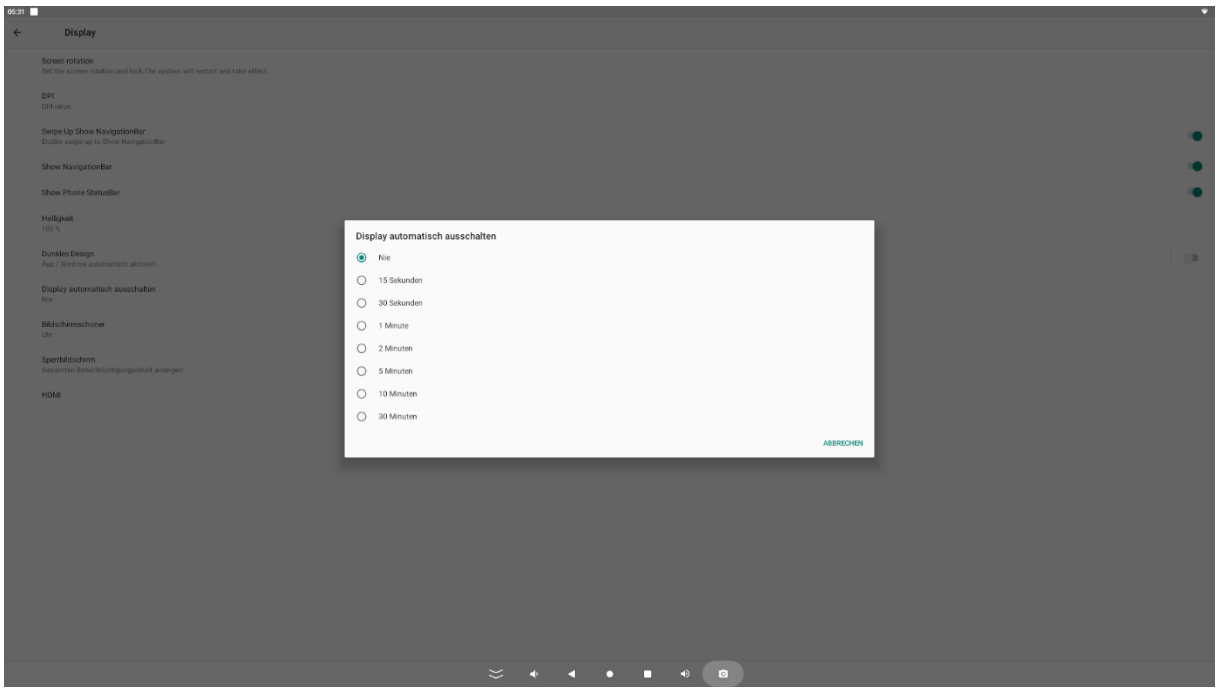
You can also operate the tablet with a mouse and keyboard. The left button is the "mouse click", the right mouse button is the "back" button

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.

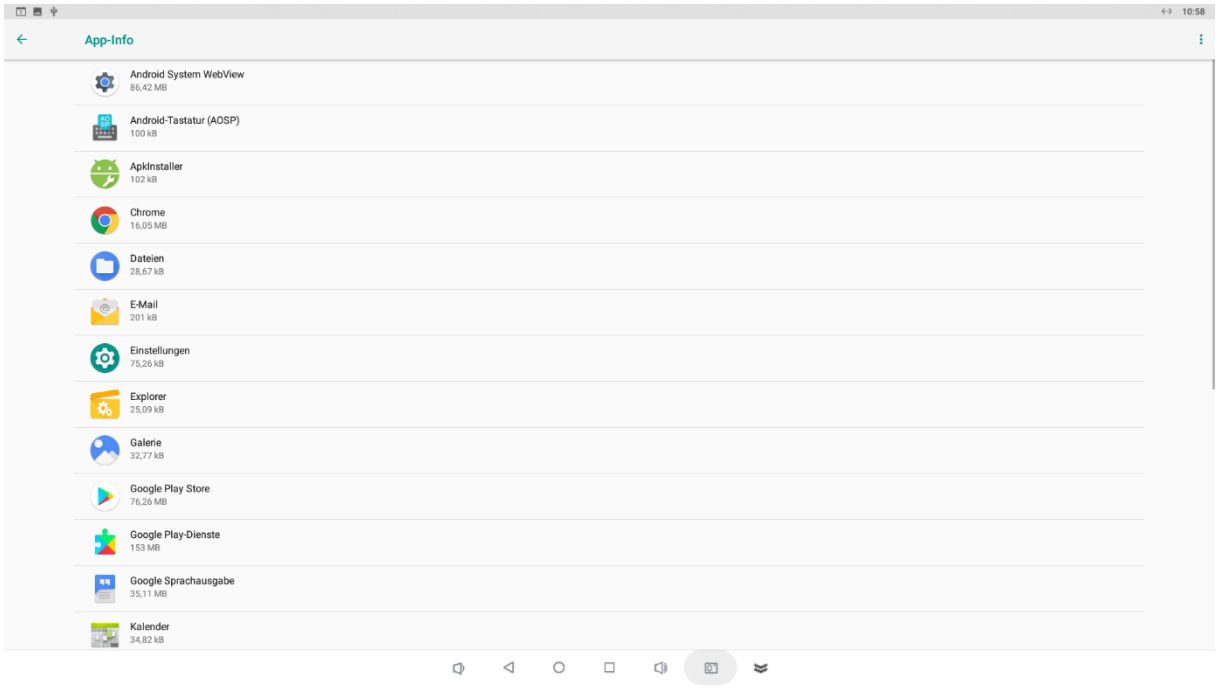




Connection to the Google Play Store

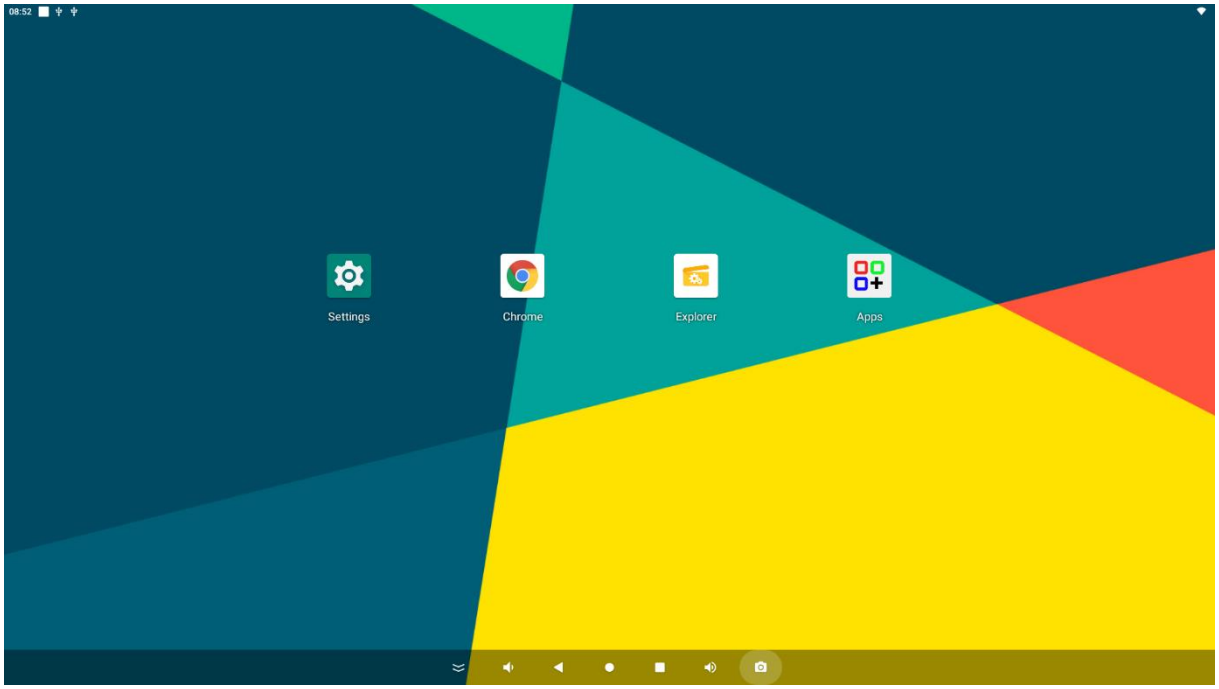
Open the Play Store app and log in with your Google account details to install the apps you want. If you do not yet have an account, you can create a new account directly via the app. If you have a

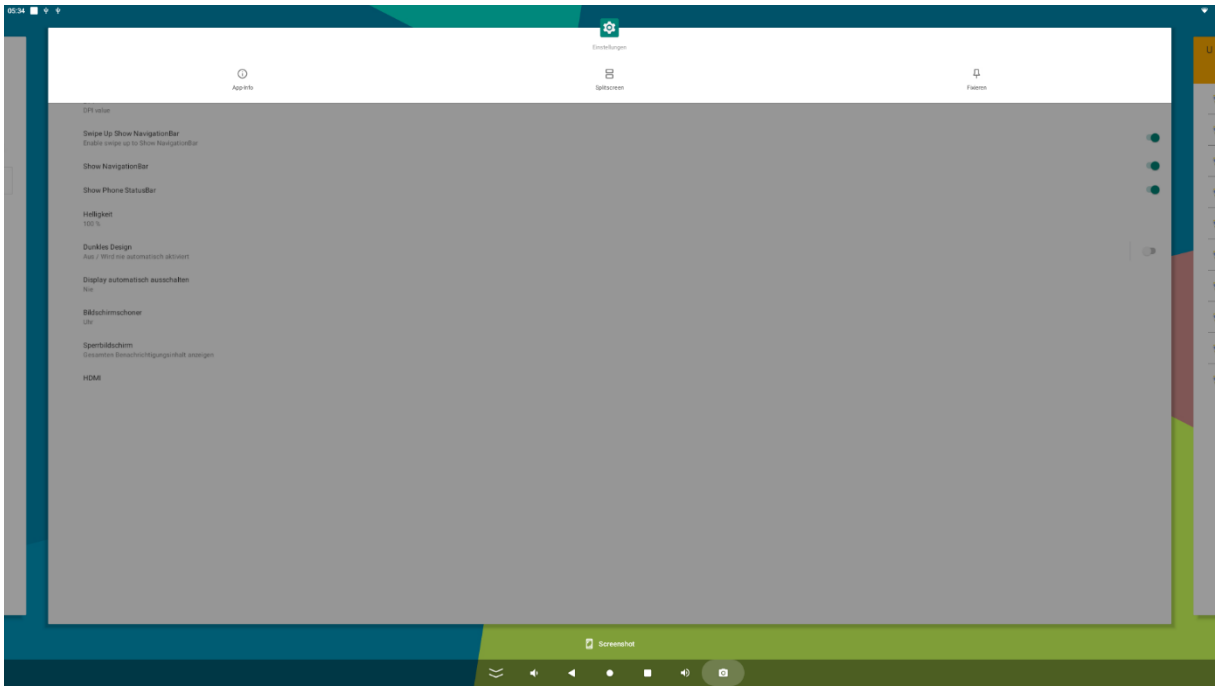
problem starting the Play Store, a component (Google SystemWebview.apk) of the Google framework is out of date and needs to be updated. To do this, the Chrome browser must be deactivated under Settings/Apps so that SystemWebview.apk is visible. The tablet should update this automatically after some time, 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:

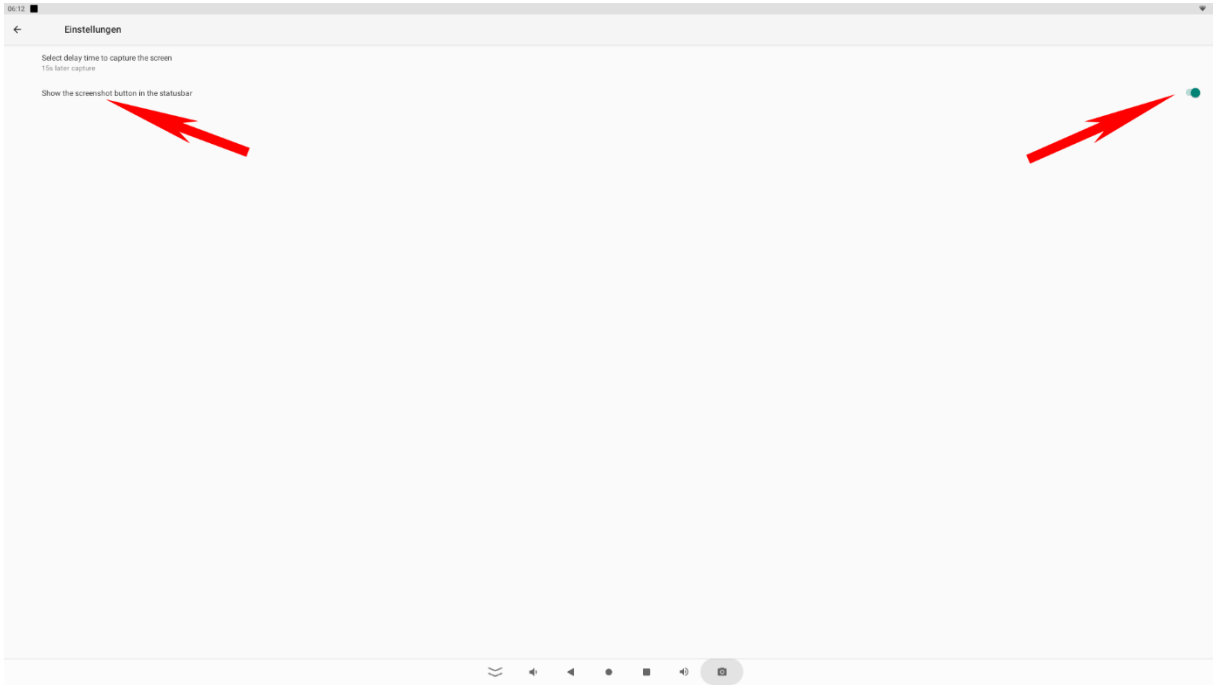
This function is available to display two apps at the same time.

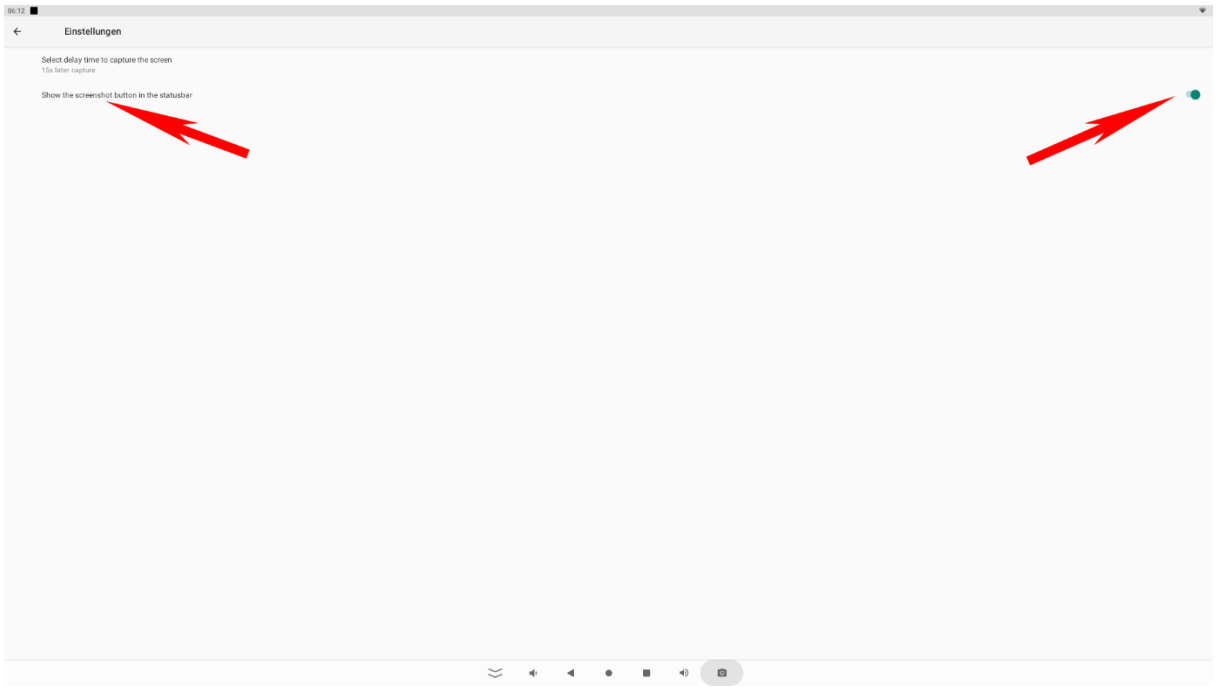
Click on the rectangular icon in the bottom navigation bar. All active apps will then be displayed. Click on the top logo in the middle of the app you want to use. A menu will open. Click on Split screen and select the second app by clicking on it. These must be opened beforehand so that you can select them.

Create screenshot

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

You can activate the function in the navigation bar here.




06:12
Einstellungen
Select delay time to capture the screen
1 Sec later capture
Show the screenshot button in the statusbar

Update firmware:

To update the firmware, 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.

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 the Android tool
3. connect the USB port to the PC and the tablet and connect the power supply unit
4. you will now see an ADB device in the Android tool
5. press the Firmware button under the "Upgrade Firmware" tab and select the Linux/Android image
6. then press the "Switch" button
7. the tablet should now switch off the screen and there should be a loader device in the Android tool, takes approx. 30 sec. 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.
6. then press the "EraseFlash" button, only necessary in the event of errors or a system change
7. when the process is finished, you can click on the "Upgrade" button and the image will flash the Linux/Android onto the system.
8. the device restarts automatically after the update process.

CE

CE Declaration of Conformity

Germering, 19th of July, 2019

ALLNET High Performance Display 14,16,21,24,32 inch

Rocket 140-B,Rocket 140-B-LTE,Rocket 160-B,Rocket 210-B,Rocket 240-B,

Rocket 240-W,Rocket 320-B,Rocket 320-WRocket 240 Suitcase

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 **Rocket Series** conforms to the Council Directives of 2014/53/EU. This equipment meets the following conformance standards:

Safety: EN62368-1:2020+A11:2020

Health:ENIEC62311:2020

EMC:ETSIEN301489-1V2.2.3(2019-11)

ETSIEN301489-3V2.1.1(2019-03)

ETSIEN301489-17V3.2.4(2020-09)

EN55032:2015+A11:2020;EN55035:2017+A11:2020

ENIEC61000-3-2:2019;EN61000-3-3:2013+A1:2019

Radio:ETSIEN300328V2.2.2(2019-07)

ETSIEN301893V2.1.1(2017-05)ETSIEN300440V2.2.1(2018-07)

This equipment is intended to be operated in all countries.

This declaration is made by

ALLNET GmbH Computer Systems
Maistraße 2
82110 Germering
Germany
Germering, 19.07.2024

Wolfgang Marcus Bauer
CEO