Passion for Smart Machines
WACHENDORFF

QUICK START GUIDE Wachendorff Basic WebPanel (EN)

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ANDROID
Automation Browser
Stations
CoDeSys V2 WAGO
CoDeSys V3 WAGO
Simatic S71200
Phoenix ILC-171
Beckhoff CX9020
ABB
Raspberry Pi

1. Disclaimer

This Technical Note serves as an example of a working application. Any liability for material and legal defects of this documentation – in particular for its correctness, freedom from errors, freedom from third-party industrial property rights and copyrights, completeness and/or usability – is excluded, except in cases of intent or fraudulent concealment.

2. Safety instructions

To ensure safe operation, the device may only be operated in accordance with the specifications in the operating manual. In addition, all legal and safety regulations required for the respective application must be observed. This applies accordingly when using accessories.

3. Document version

Version	Date	Change
1.0	11.12.2025	Creation

4. Preface

This guide shows you how to quickly set up Wachendorff WebPanel with Android 13. The focus is on the **configuration of the Automation Browser as the start app for kiosk mode** as well as important Android settings:

- Ethernet and Wi-Fi (incl. static IP)
- Status bar
- Language

Note: The preinstalled Chrome browser is available but does not support kiosk mode. For kiosk operation, the Automation Browser is recommended.

The screenshots used in this manual are shown in German. However, the complete menu structure is identical in other languages, so the images can be used for navigation without any issues.

5. Devices with Automation Browser (-A version)

On devices with the suffix **"-A"**, the **Automation Browser (Home Screen)** by iniNet Solutions GmbH is preinstalled and activated by default (e.g. **WPC002-xxx-A**).

With appropriate configuration, the browser can start automatically and directly display your visualization.

Further information on all functions and settings of the Automation Browser can be found in the user manual SpiderControl MicroBrowser Setup

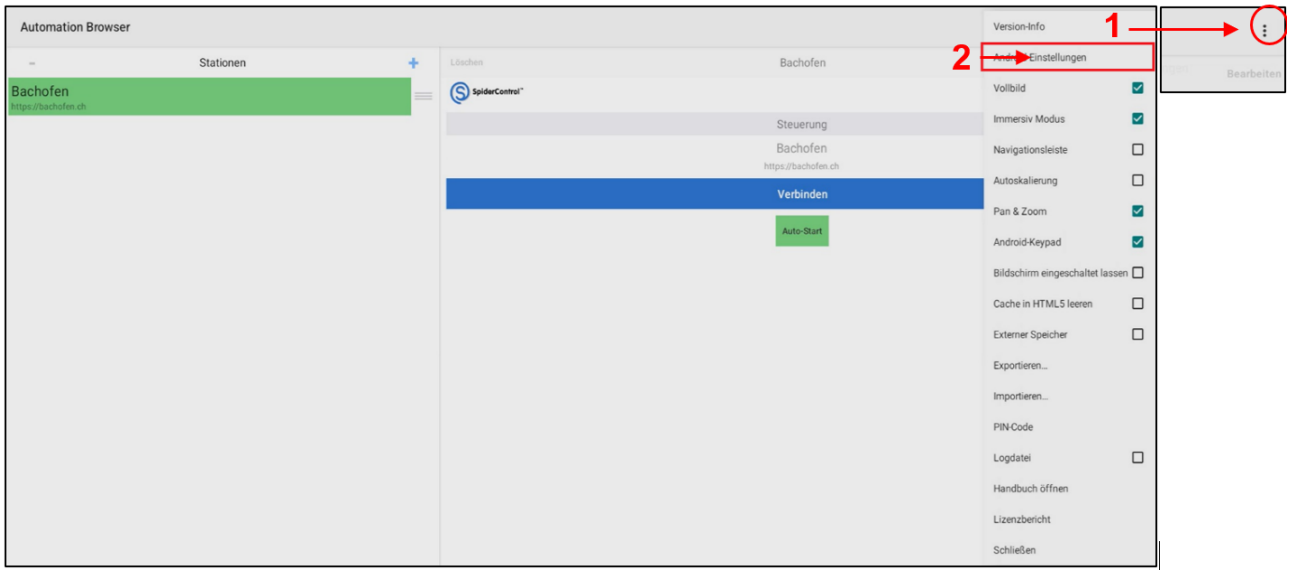
Subsequent installation is possible – please note the license costs and required release codes. If you have any questions, please contact our sales team

Download: current version of Automation Browser

- For autostart, select the **"Home screen"** version.
- For **SAIA controllers**, the special version **"Home screen, SBC"** is required. Please contact our sales team before ordering if you are using devices with SAIA controllers.

5.1. Automation Browser Android settings in autostart mode

When the Automation Browser is running as an autostart app, the Android main interface cannot be opened directly via the status bar. Instead, use the **three dots** in the upper right corner and select **"Android settings"** to make adjustments or to deactivate autostart.



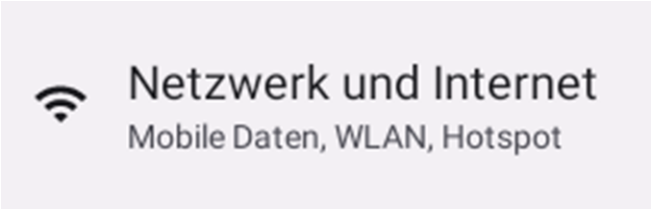
6. Android settings

Open the Android settings to adjust the device configuration.

6.1. Configure a static LAN IP address

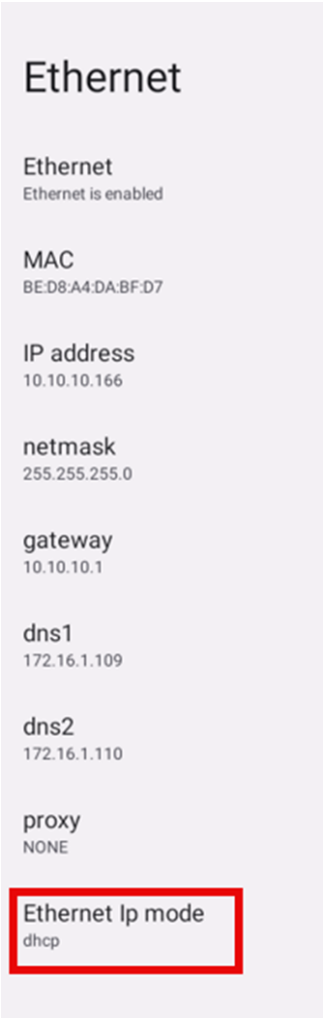
Note: Wi-Fi and LAN cannot be used at the same time.

1. Select the menu item **“Network & internet”**.

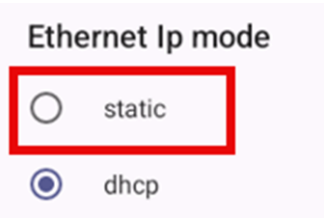


2. Select the menu item **“Ethernet”**.

3. Select the menu item **“Ethernet IP mode”**.



4. Select the IP mode **“static”**.



Info: In the delivery state, “dhcp” is activated.

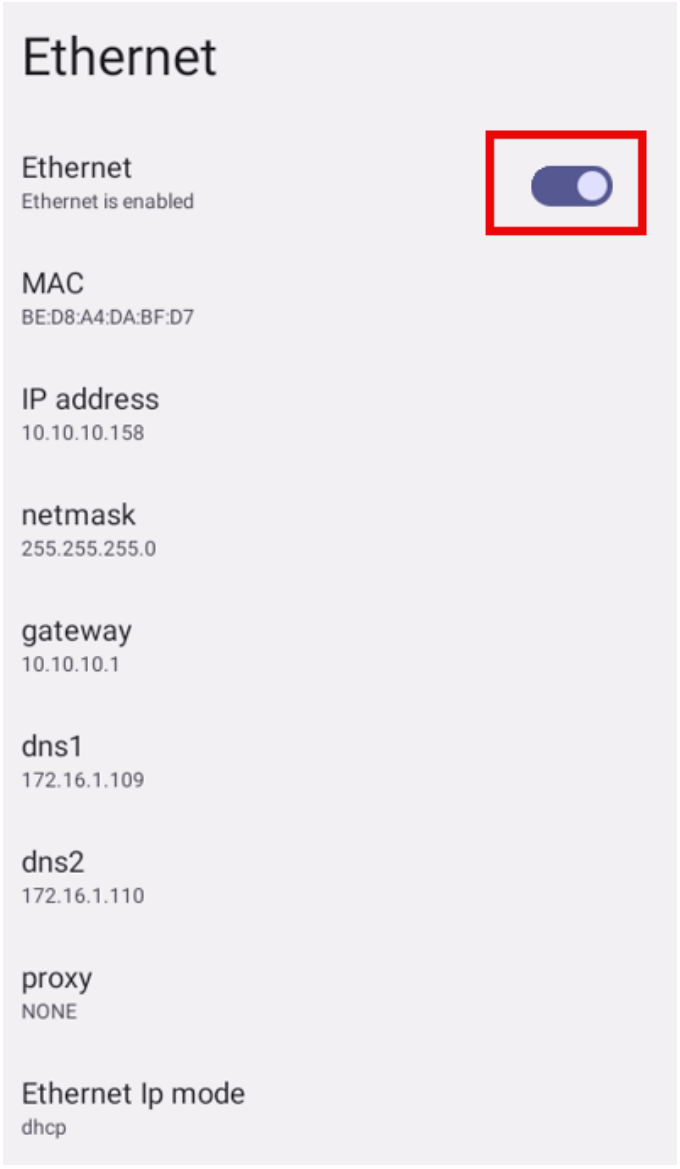
5. Once you have selected ‘static’, a new window will open.

- If an IP address has not previously been obtained via DHCP, the **“Connect”** button at the bottom right is often greyed out.
- The IP values shown are only suggestions and must be manually overridden.
- Fields that are not required can be set to **0.0.0.0**.
- **DNS1** and **DNS2** are usually already set to **0.0.0.0**.

> ⚠ **Note: Displayed values are only suggestions. All mandatory fields must be filled in manually, otherwise “Connect” is not available.**

6. After entering all data, confirm the configuration by pressing **“Connect”**.

7. Make sure that the interface is switched on. After activation, the individually entered and stored values are displayed:



Note: If the Ethernet interface is not activated, "0.0.0.0" appears for all variables.

Note on Network Behavior: Android Web Panels perform automatic network connectivity checks after an Ethernet connection has been established. If a configured gateway or DNS server is unreachable, the operating system may reinitialize the Ethernet interface. This can result in temporary connection interruptions or messages such as *"Network is unreachable"*.

This behavior is part of the Android operating system and does not indicate a hardware fault of the Web Panel. In network environments without gateway or DNS connectivity, the network configuration should be planned and configured accordingly.

Warning: Without an active connection (e.g. switch), the panel also shows "0.0.0.0" for IP, netmask, etc.

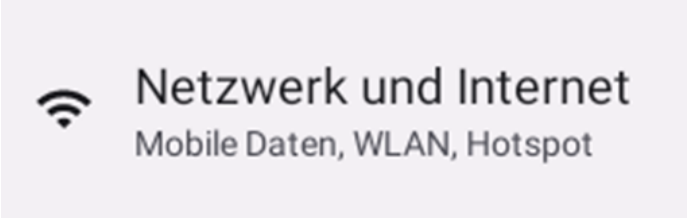
-> This is standard behavior of Android 13. The IP is still saved correctly and will be displayed as soon as an active connection exists.

6.2. Configure a static Wi-Fi IP address

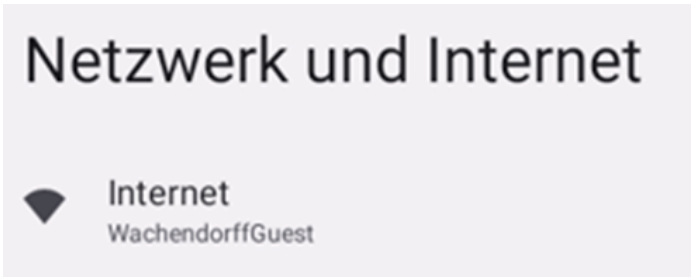
First establish a connection to the Wi-Fi network before carrying out the instructions below.

Note: Wi-Fi and LAN cannot be used at the same time.

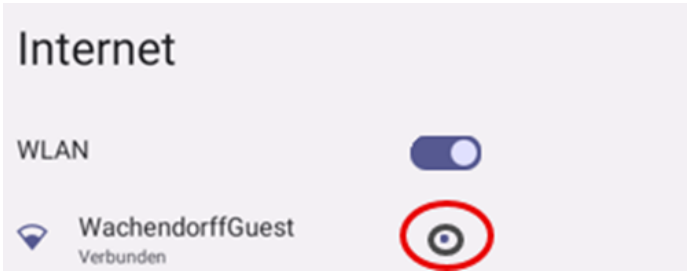
1. Select the menu item **"Network & internet"**.



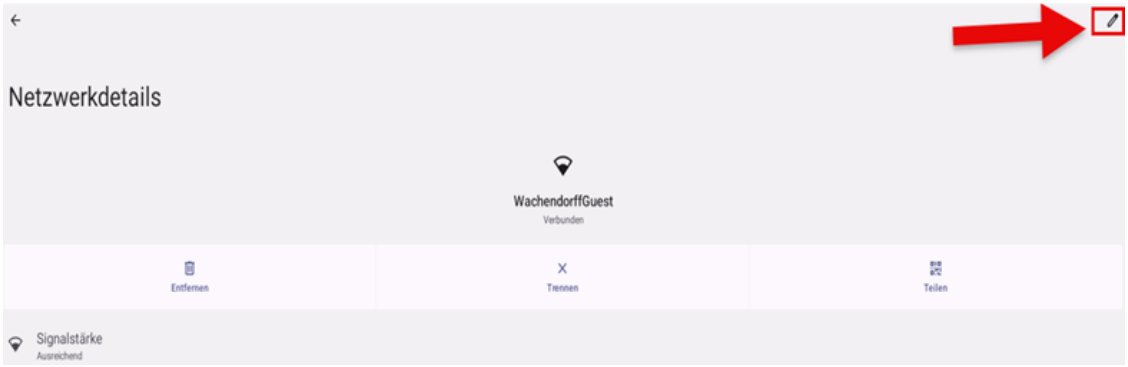
2. Select the desired Wi-Fi network.



3. Click the gear icon.



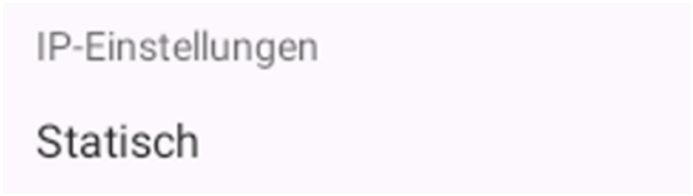
4. Click the pencil icon.



5. Click **“Advanced options”**.

6. Click **“DHCP”**.

7. Select **“Static”** accordingly.

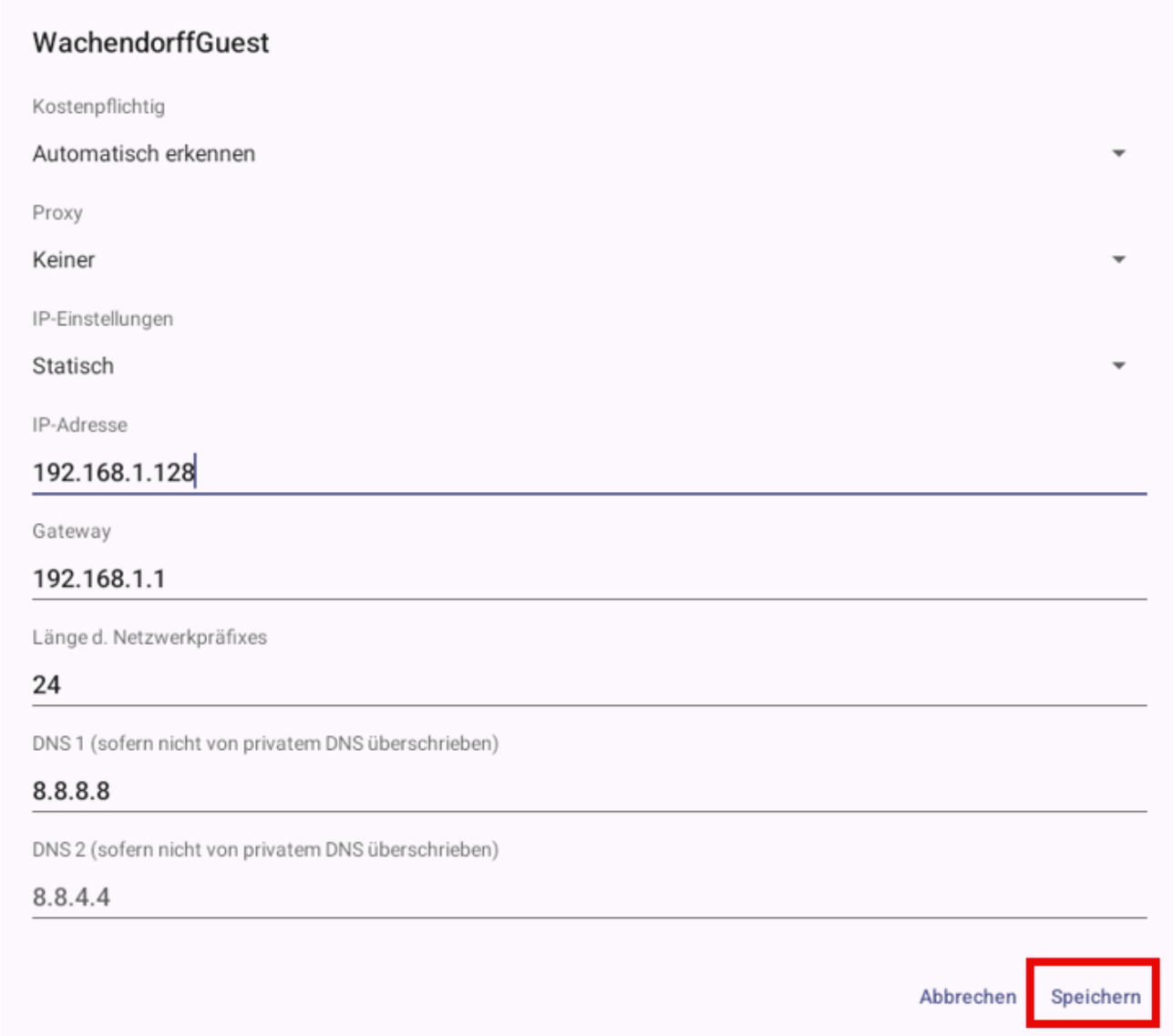


8. Once you have selected **"static"**, a new window will open.

- If an IP address has not previously been obtained via DHCP, the **“Save”’** button at the bottom right is often greyed out.
- The IP values shown are only suggestions and must be manually overridden.
- Fields that are not required can be set to **0.0.0.0**.
- **DNS1** and **DNS2** are usually already set to **0.0.0.0**.

⚠ **Note: Displayed values are only suggestions. All mandatory fields must be filled in manually, otherwise “Save” is not available.**

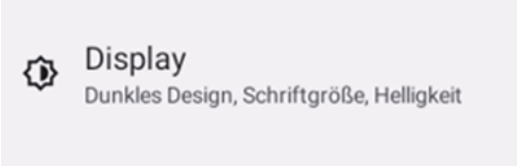
9. After entering all data, confirm the configuration by pressing **“Save”**.



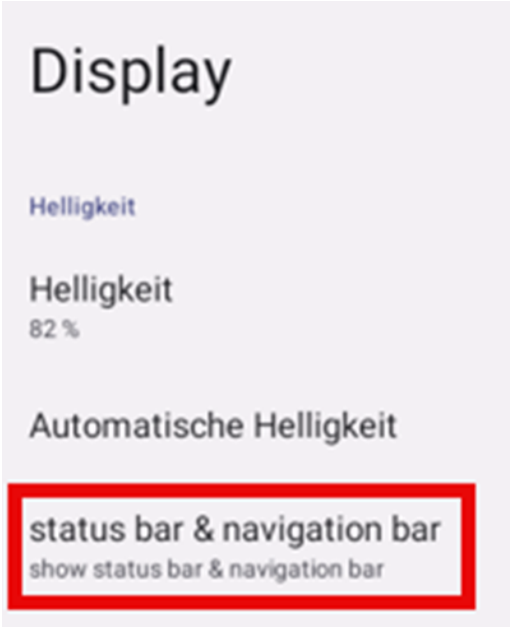
6.3. Hide the status bar

The status bar enables basic navigation and device control (e.g. back, volume, restart). In the factory state it is visible. You can deactivate the status bar to block certain functions for operators. Advantage: In **kiosk mode**, this prevents the visualization in the **Automation Browser** from being easily exited.

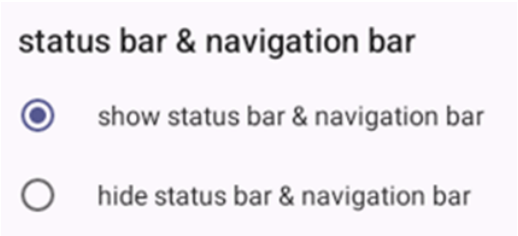
1. In the Android settings, select the menu item **“Display”**.



2. Select the menu item **“statusbar settings & navigation bar settings”**.



3. Select the appropriate option to show or hide the status bar.

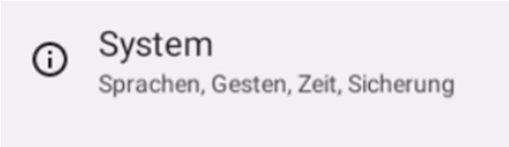


Note: When the status bar is hidden, navigation options are missing. For changes you need a USB mouse that is plugged into a USB port that is NOT labeled as an “OTG port”.

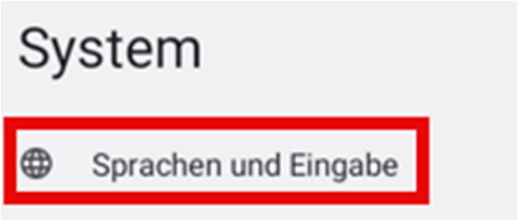
The Automation Browser additionally offers the “Immersive Mode”, where the status bar can be shown by a swipe gesture.

6.4. Set the operating system language

1. In the Android settings, select the menu item **“System”**.



2. Select the menu item **“Languages & input”**.



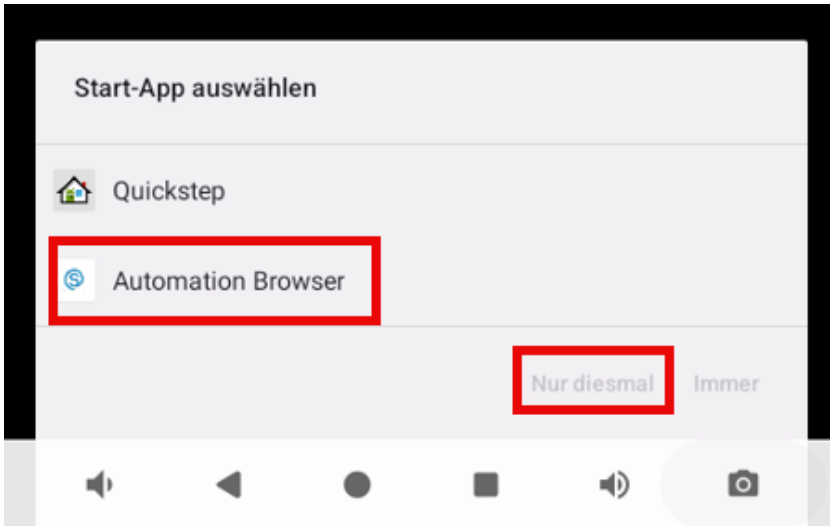
3. Select the menu item **“Languages”**.

4. Select **“Add a language”**. Afterwards you can prioritize the order (language 1 is used).

6.5. Set Automation Browser as start app

When the device is started for the first time, a selection may appear asking which app should be used as the start app.

If you want to permanently set the **Automation Browser** as the start app, select **“Always”**. If you only want to use it once, select **“Just once”**.

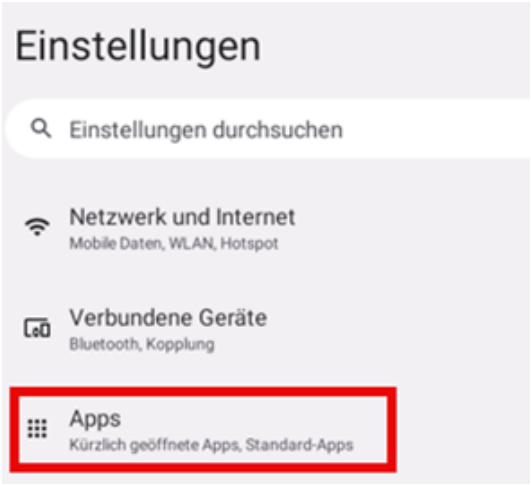


6.5.1. If the selection window does not appear

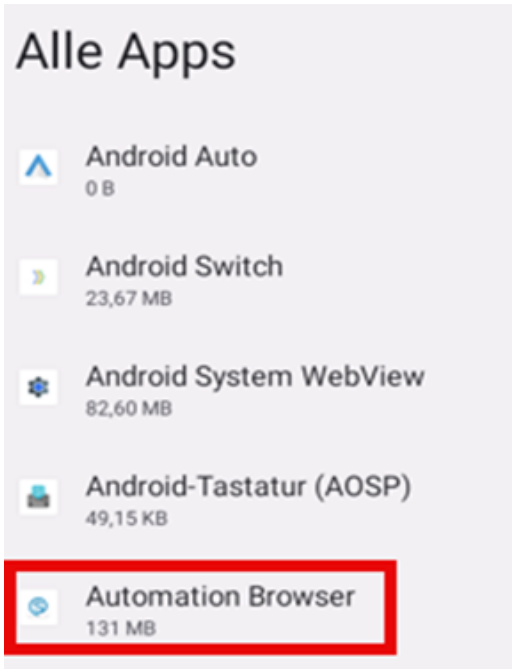
The start app can be changed at any time via the Android settings. By default, **Quickstep** (the Android main interface) is active as the start app.

To change the setting:

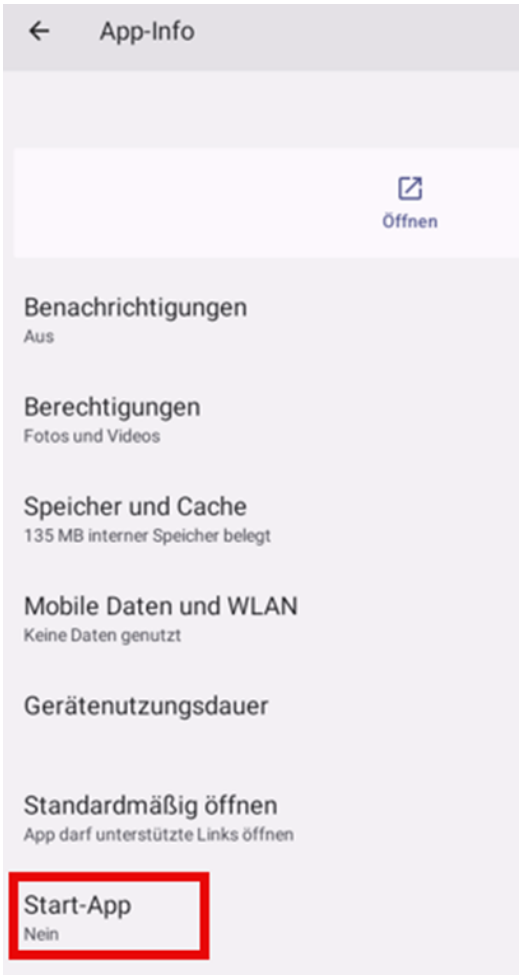
1. In the Android settings, select the menu item **“Apps”** and click **“All apps”**.



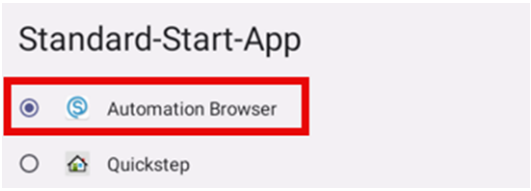
2. Select the app **“Automation Browser”**. If the app is not shown in the preview, select **“See all X apps”** and select the Automation Browser from the list.



3. Select the menu item **“Default app”**.



4. Set the **Automation Browser** as the start app.



7. FAQ

Can the Automation Browser store server certificates?

Yes, this function is integrated. Use an **HTTPS URL** for this.

Can I change the Android bootloader logo myself?

Yes, the bootloader logo can be changed via the Android settings.

> ⚠ **Warning: Make sure that the image exactly meets the requirements specified in the Android settings (e.g. resolution, file format, color depth). Incorrect modifications may result in the device no longer starting and having to be sent in for inspection.**

Can I update the Android operating system?

No, the operating system cannot be updated by the user.

Can I update the Automation Browser?

Yes, this is possible. The latest versions can be found on the **IniNet Solutions** website. Install the new version **via USB** without deleting the existing version.

Download: current version of Automation Browser

> ⚠ **Warning: If the app is deleted, the license key will be lost!**
>
> **Please contact our support team and send:**
>
> - **Photo of the device label**
> - **Challenge code from the Automation Browser**

8. Customer-specific versions

Design your visualization exactly as you wish! In addition to the preinstalled bootloader logo, we offer you individual options such as:

- **Customer-specific software configuration**
- **Personal laser engraving on the device**

Contact our sales team for a **non-binding consultation** and learn more about your options.

9. Further products

Discover our wide range of IPC products on our homepage. Our team will be happy to help you find the **right product for your application**.

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