

# iSMA Android Application

User Manual



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## 1 Introduction

### 1.1 Revision History

Rev	Date	Description
1.0	26.08.2019	First edition
2.0	06.12.2019	Second edition
3.0	22.07.2020	Third edition
3.1	04.11.2020	Application languages added
4.0	22.06.2020	Fourth edition Autologin feature updated

Table 1. Revision history

### 1.2 Before the Installation

The following are needed to install the application:

- PC with Windows Operating System (the 32 or 64-bit latest version 7);
- USB A-USB A cable or USB C-USB A—depending on the version of iSMA-D-PA;
- Panel PC iSMA-D-PA7C-B1, iSMA-D-PA10C-B1, or iSMA-D-PA15C-B1.

## 2 Installation Steps

**Note:** Remember that this application is exclusively for iSMA Industrial PC Panels and Niagara stations.

**Step 1:** Add the folder with the application to your PC desktop.

**Step 2:** Turn the Panel PC on.

**Step 3:** The USB port should be set to OTG Mode, USB debugging to On, and USB Configuration to MTP (steps from 3.1 to 3.5 are necessary for iSMA-D-PA panels with a USB A interface).

**Step 3.1:** Go to the main menu of the Android Panel PC—a round, white icon with dots at the bottom center of the screen:

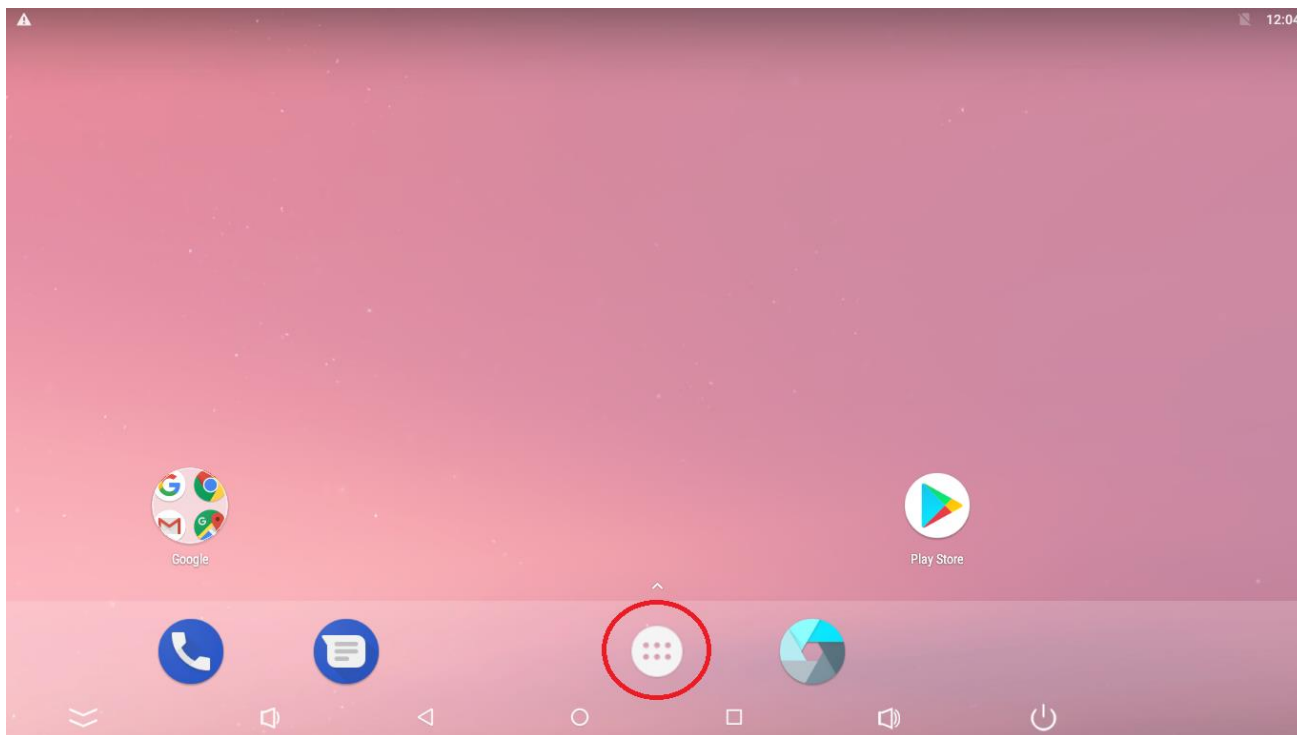


Figure 1. Main menu

**Step 3.2:** Go to the Settings:

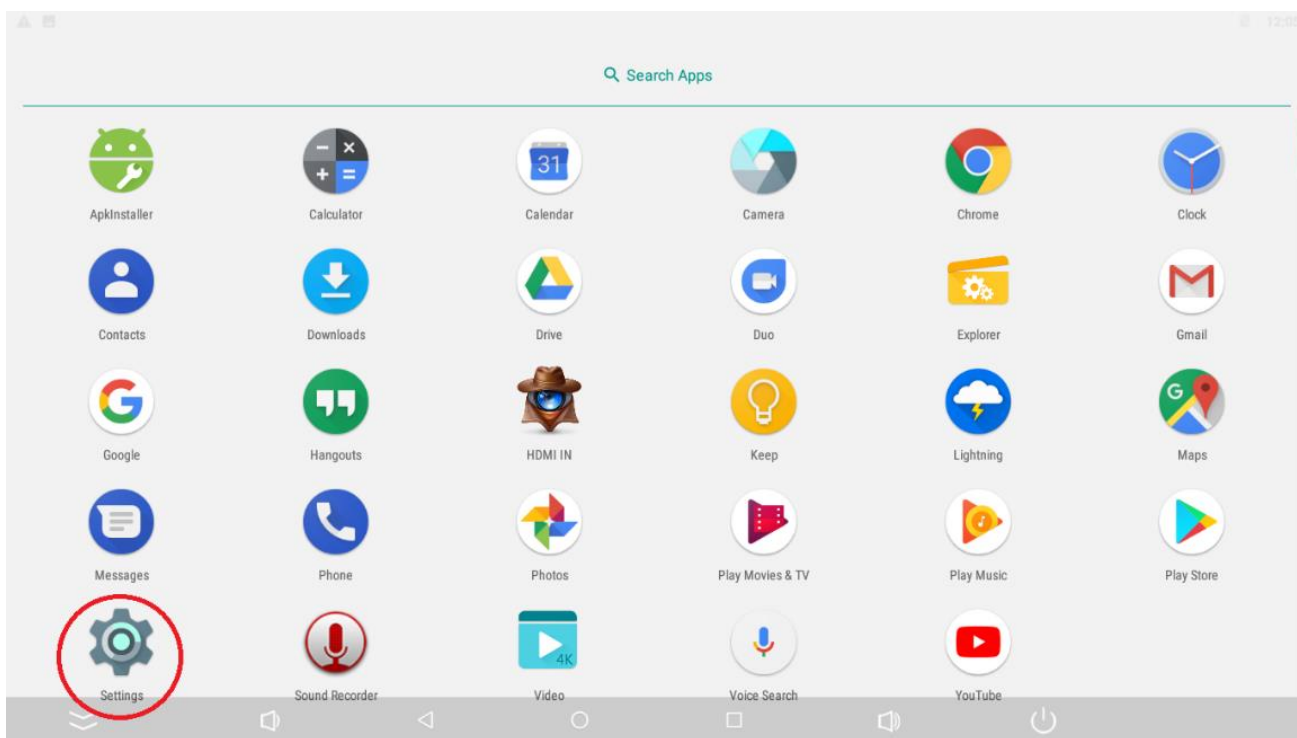


Figure 2. Settings

**Step 3.3:** Go to the Developer options:

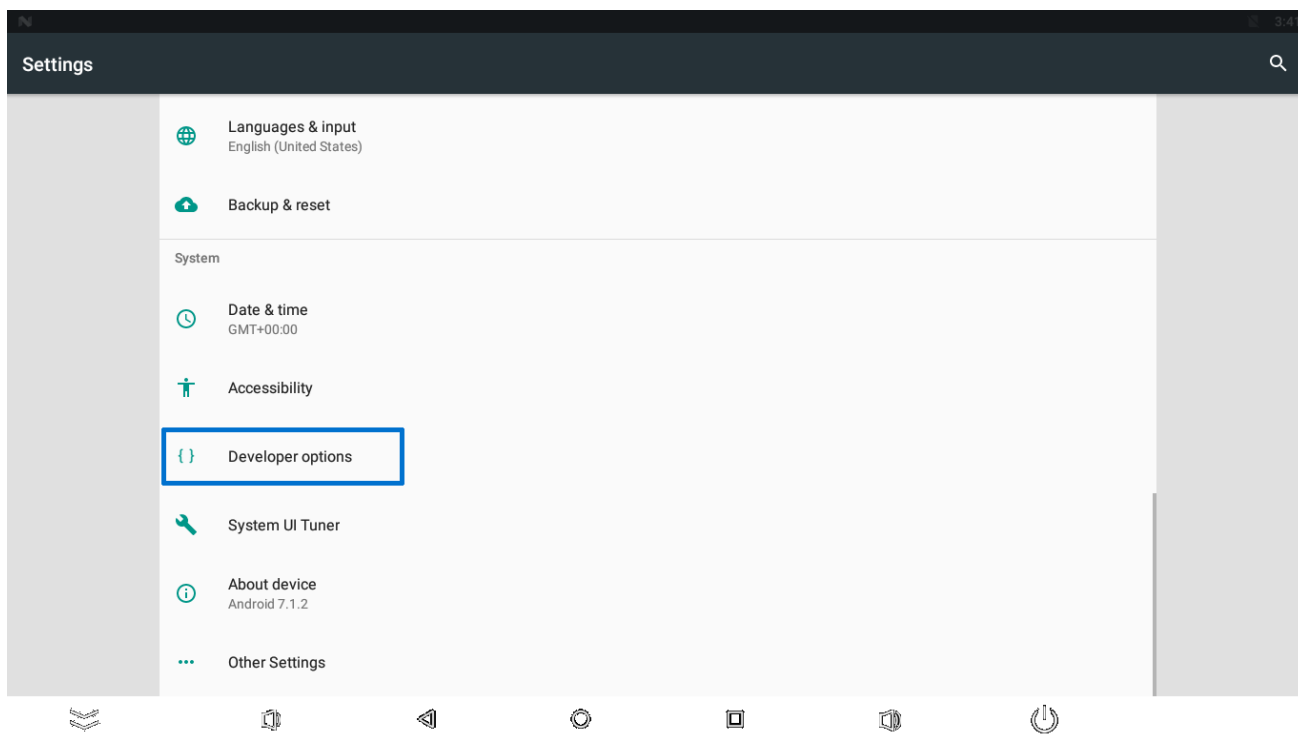


Figure 3. Developer options

**Step 3.4:** Set the USB Mode to OTG Mode and turn the USB debugging on:

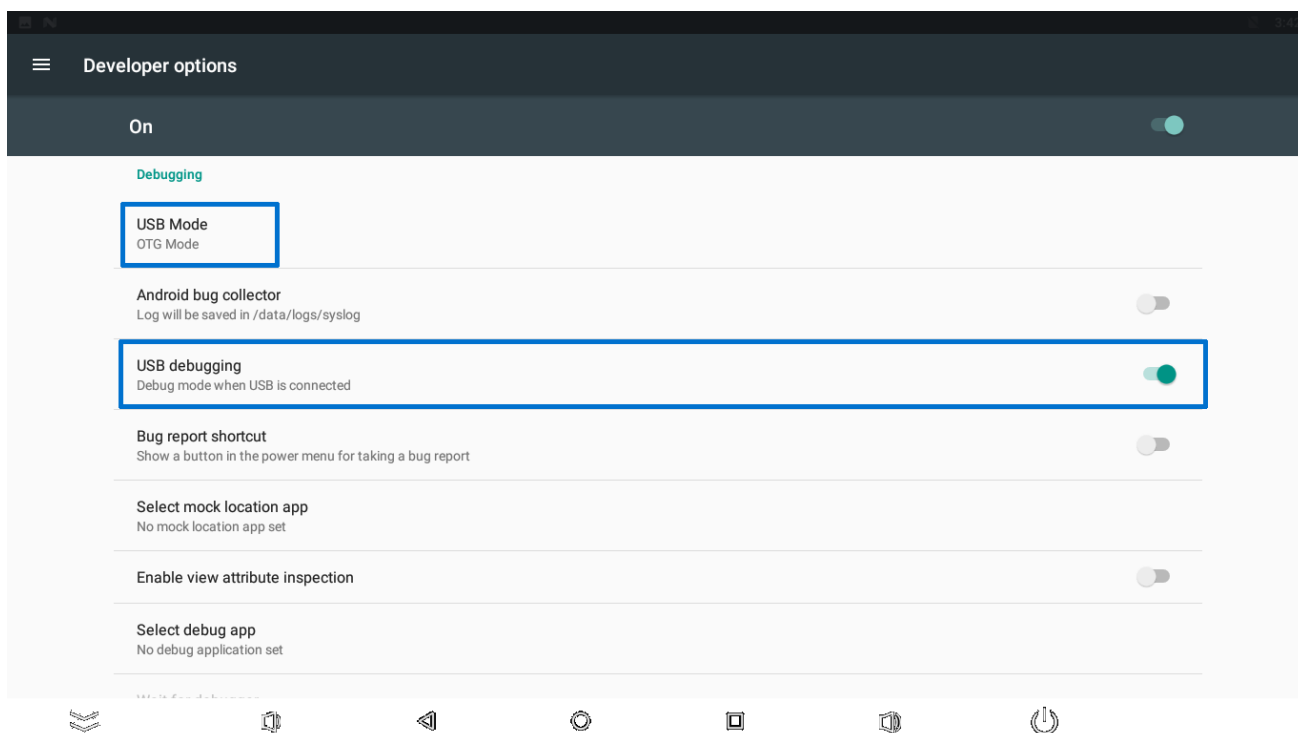


Figure 4. USB Mode and USB debugging

**Step 3.5:** Set the USB Configuration to MTP:

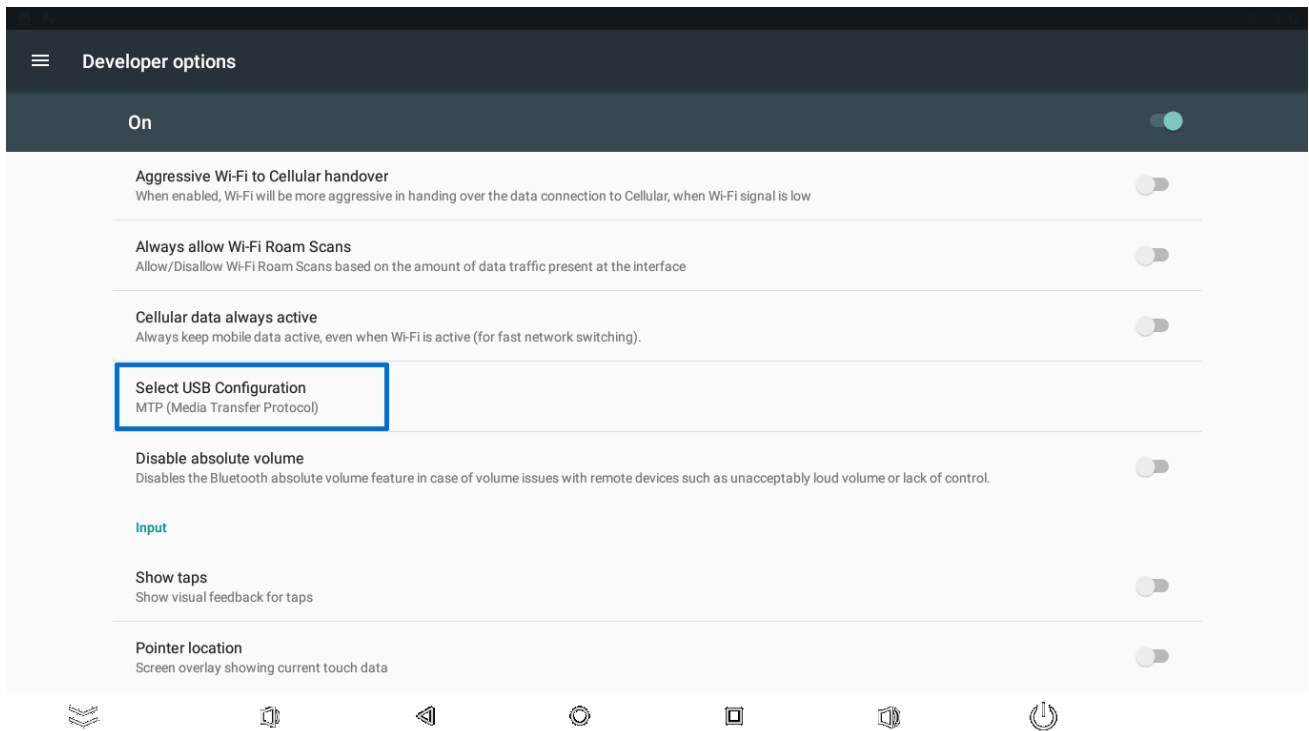


Figure 5. Select USB Configuration

**Step 4:** Connect a USB A cable to the PC and to the Panel (use the USB A socket next to RJ45 or the USB C—marked on the figures below):

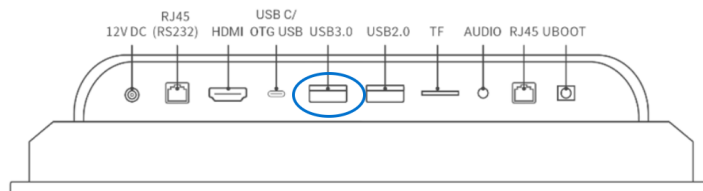


Figure 6. Interfaces in 10.1inch

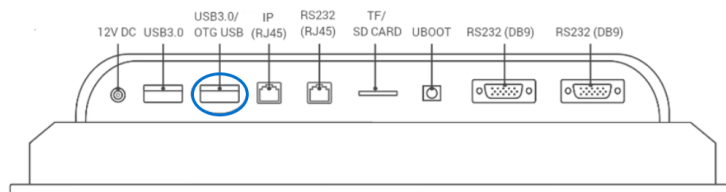


Figure 7. Interfaces in 15.6 inch

**Step 5:** Wait for the PC to recognize the device and install drivers.

**Step 6:** Open the folder with the application.

**Step 7:** Double click on install.bat file—the application will be installed automatically on the connected Panel PC.

**Step 8:** The last step is to set the application as the Home app.

After touching the screen, a new window shows up. Choose the iSMA Android Application and select Always.

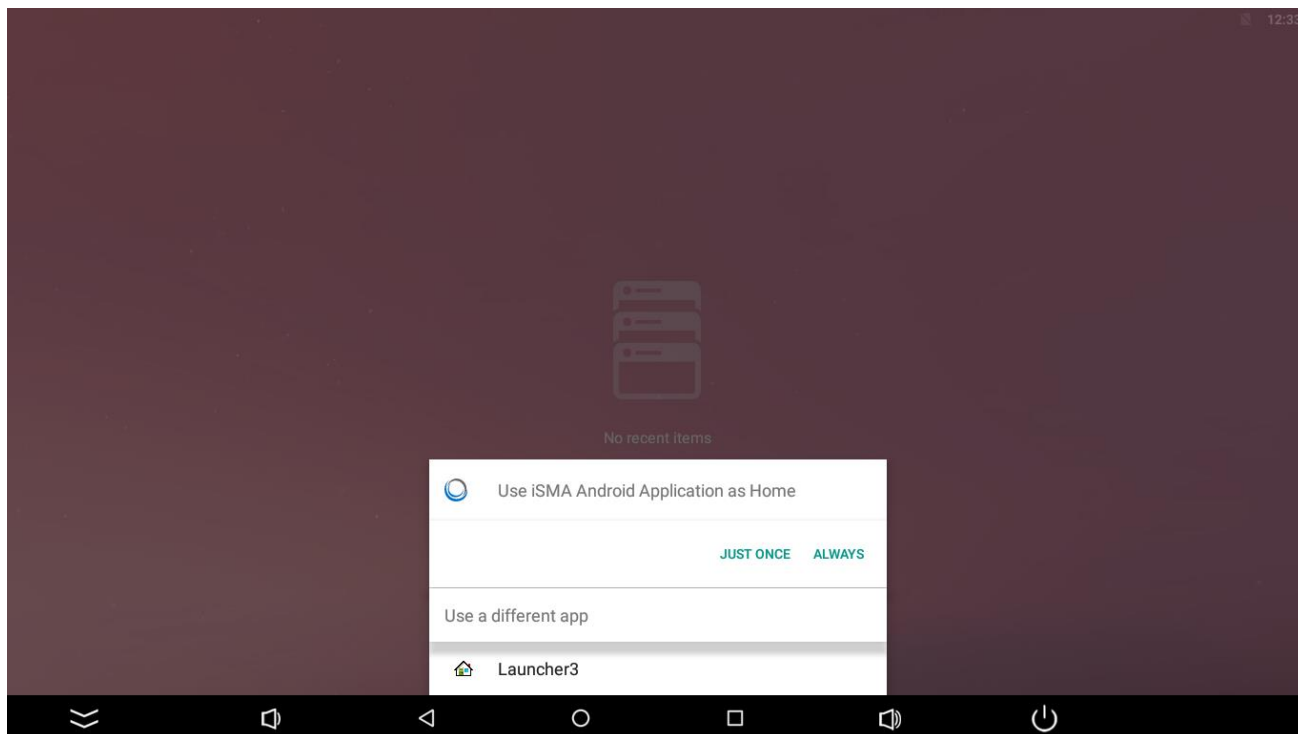


Figure 8. Home application

**Note:** Application is now ready to work. Follow the next steps to set up Niagara station and Kiosk Mode.

### 3 Setting the Application (Login, Kiosk Mode, Menu)

#### 3.1 Logging in to any Station

When the application turns on, the main screen, which allows for adding multiple stations, appears. To add a new Niagara station, touch a '+ Add View' tile:

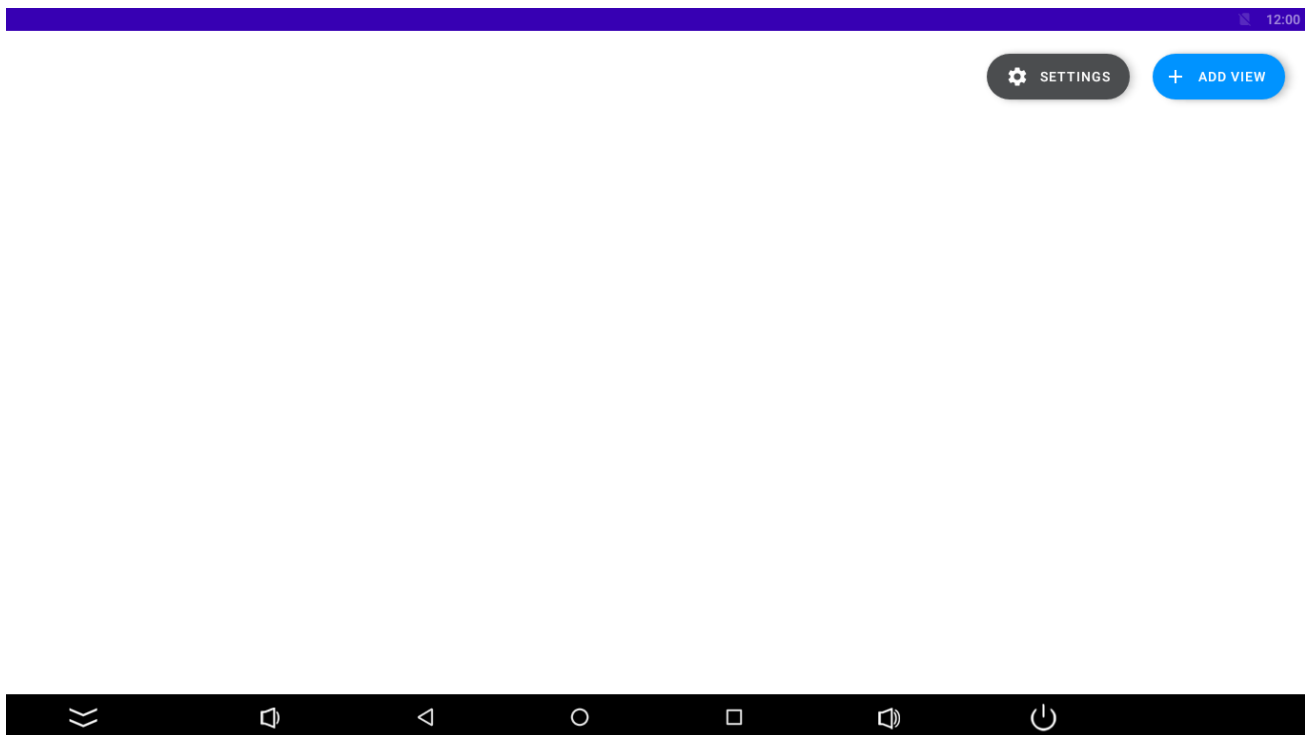


Figure 9. Main screen

Enter credentials and save them.

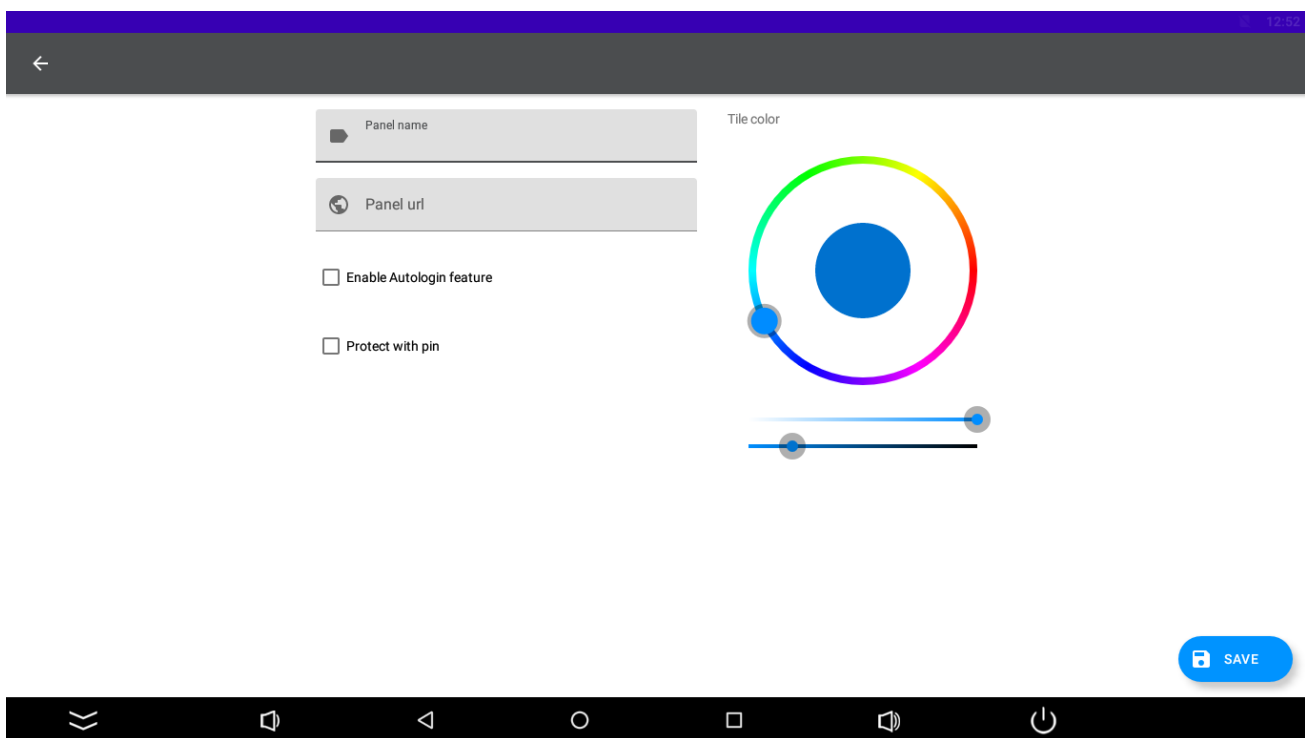


Figure 10. Adding new or editing a station

Logging into the station is available with two options to check:

- Enable Autologin feature, and
- Protect with pin.



## Autologin

Checking the Enable Autologin feature extends the username and password fields. Saved, the credentials are remembered, and the station is automatically logged from the panel. If the option remains unchecked, logging in is redirected to an external login website (Niagara or other).

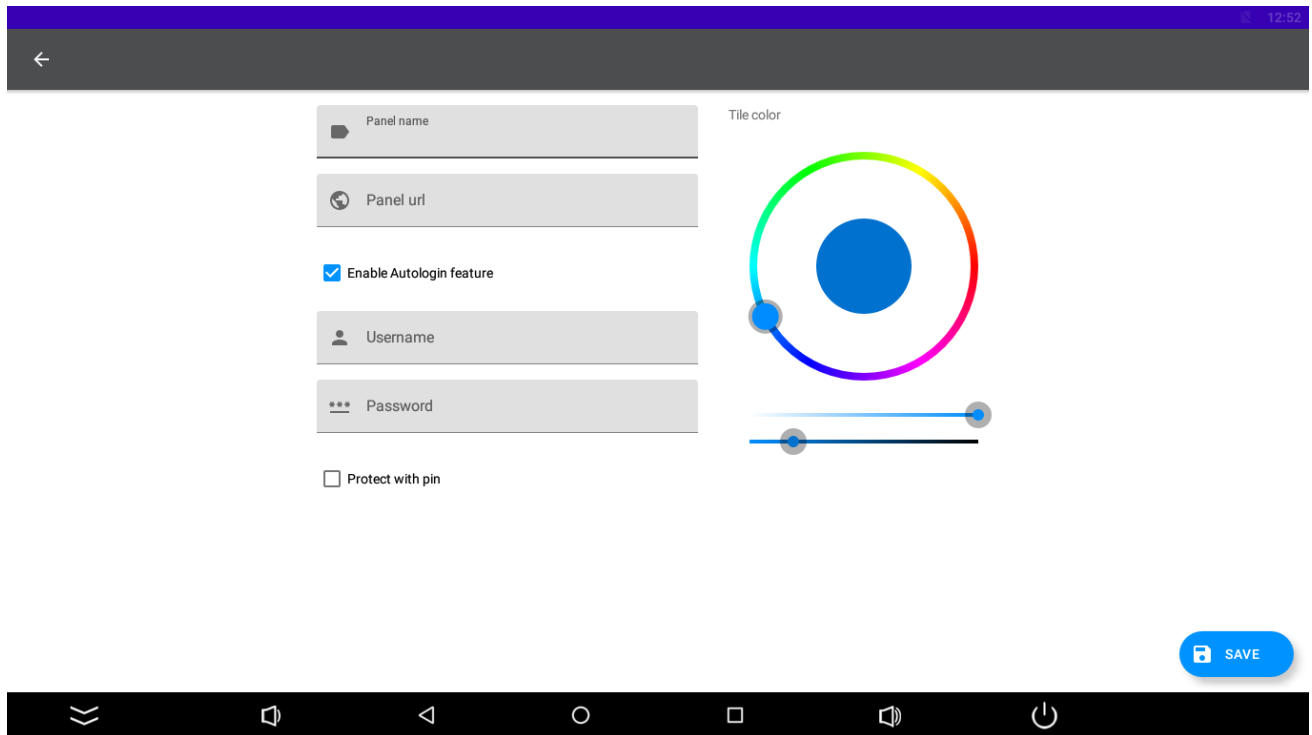


Figure 11. Adding new or editing a station

**Note:** If there are any problems with logging in, it is advised to leave the option unchecked, which redirects to the Niagara or other login website and enables logging in there. Please note that it supports logging in to any controller, which enables HTML5 graphics.



Figure 12. Niagara login website enabling logging into any controller with HTML5 graphics

**Note:** To enable a proper functioning of autologin, please remember to add a port number after a panel's IP address:

- :443 for https connection;
- :80 for http connection,

For example: <https://168.192.1.1:443>.

**Note:** Selecting the autologin feature is available from the iSMA Android Application 4.0.

### Pin Protection

Checking the Protect with pin option enables the station to require entering a pin number after a set time of inactivity in the Kiosk mode. Go to the Kiosk mode settings for more information about entering the Kiosk mode and setting the pin lock timeout (section 3.4).

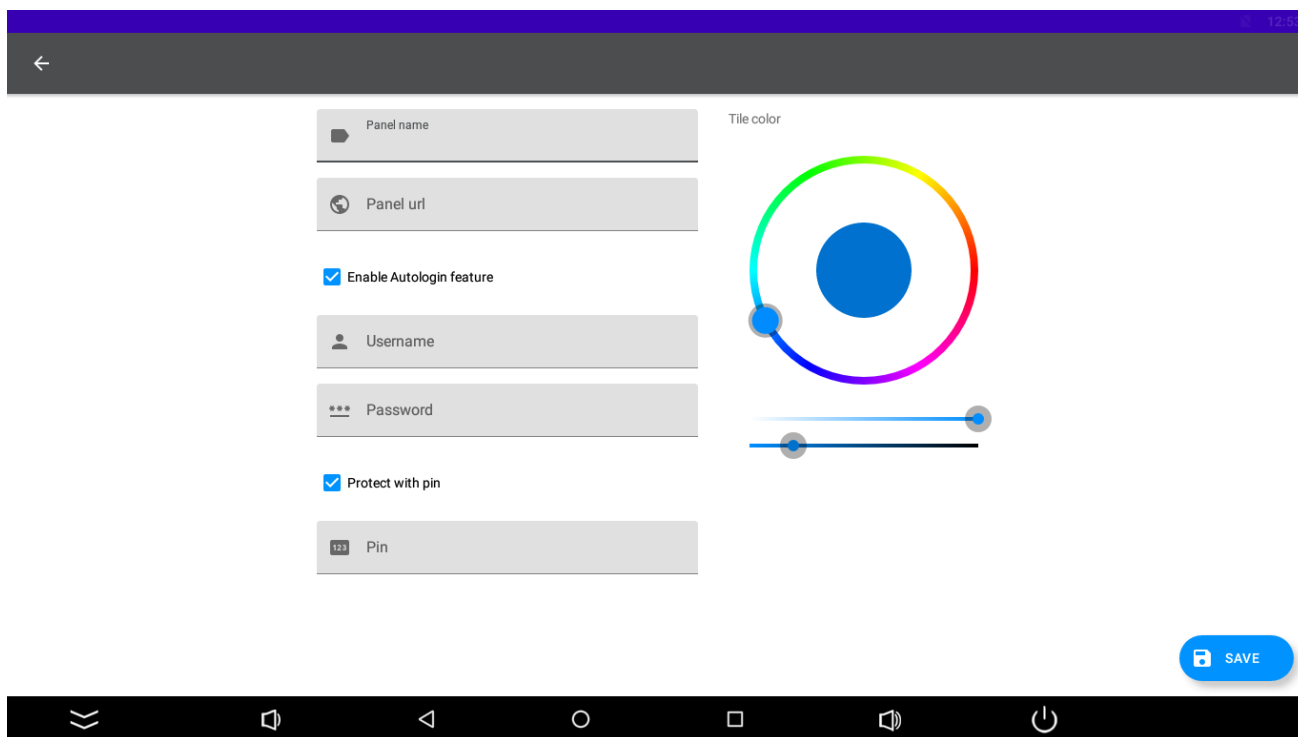


Figure 13. Protect with pin option

After successful logging in, the application goes back to the main screen with a list of added stations.

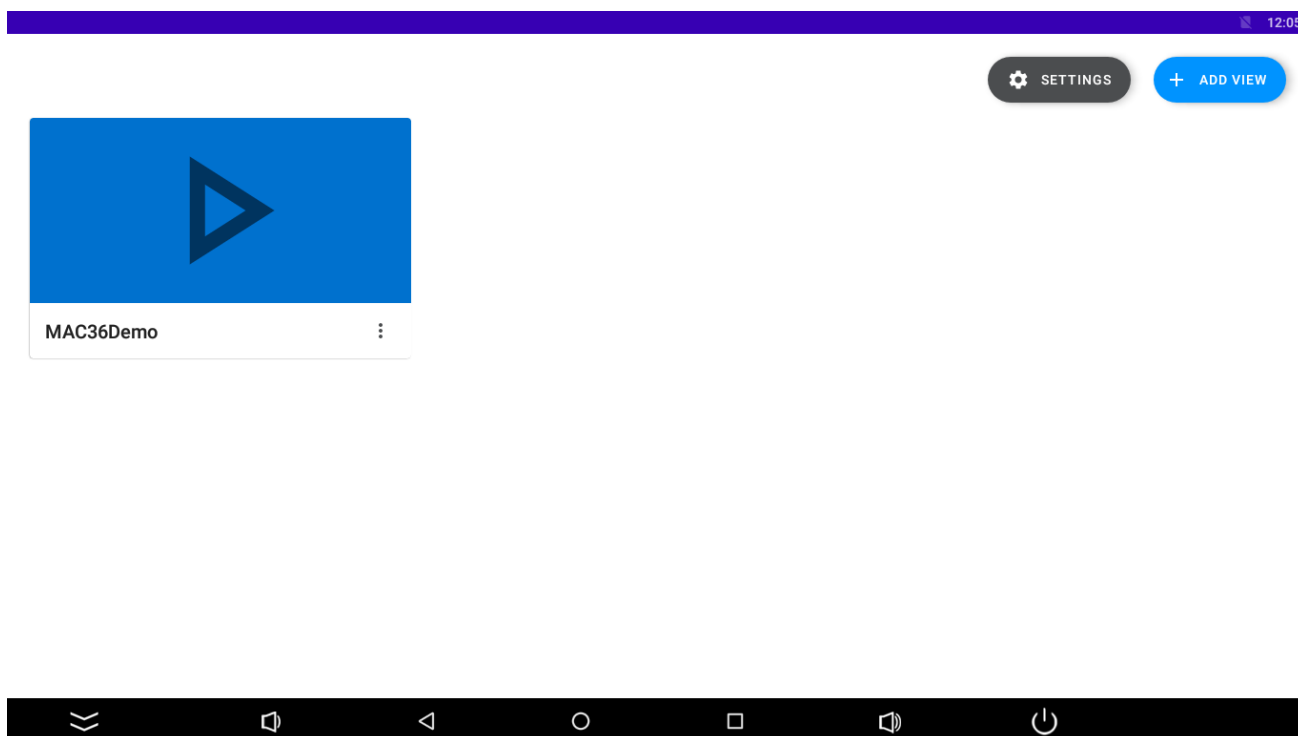


Figure 14. Main screen with station added

### 3.2 Station Options

Three dots in the upper right corner of the station lead to the station settings:

- Home station: can be chosen only for one station; the chosen station will be automatically logged in after restarting or turning on the Industrial PC panel with Android;
- Edit: edits the station credentials;
- Delete: deletes the station.

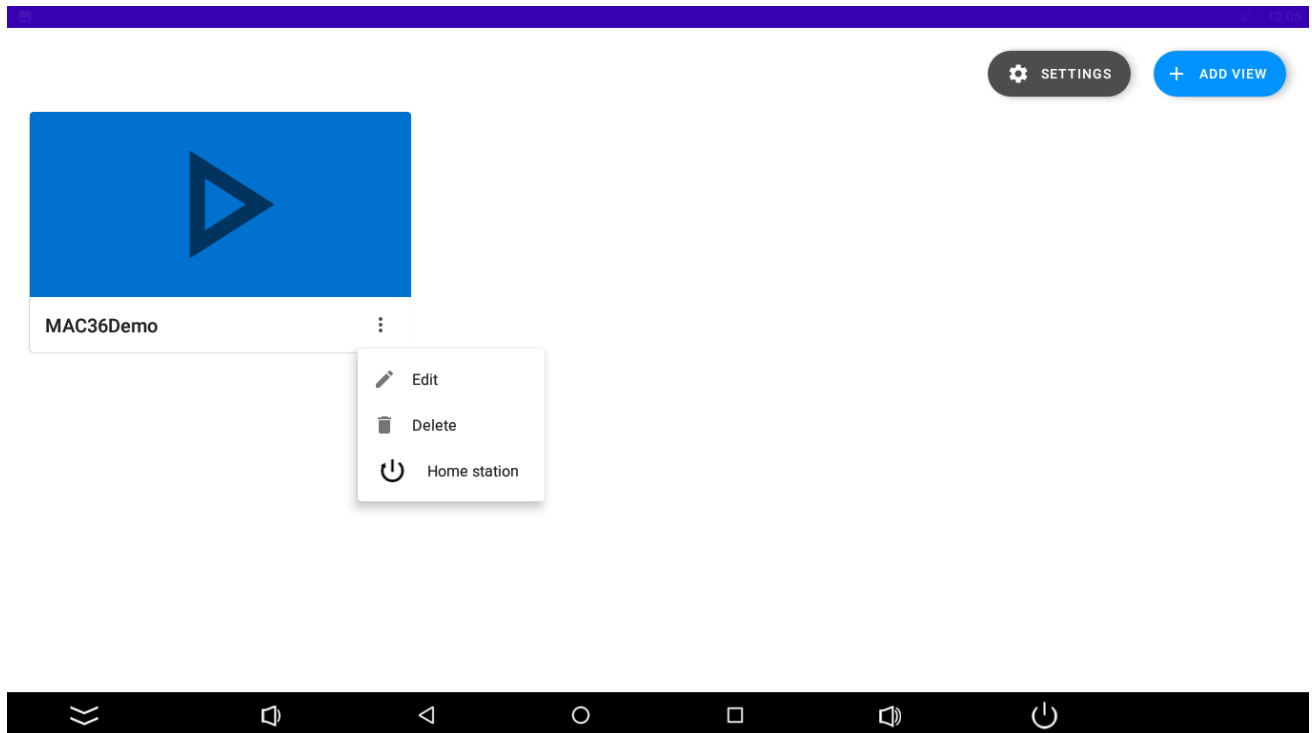


Figure 15. List of stations with options

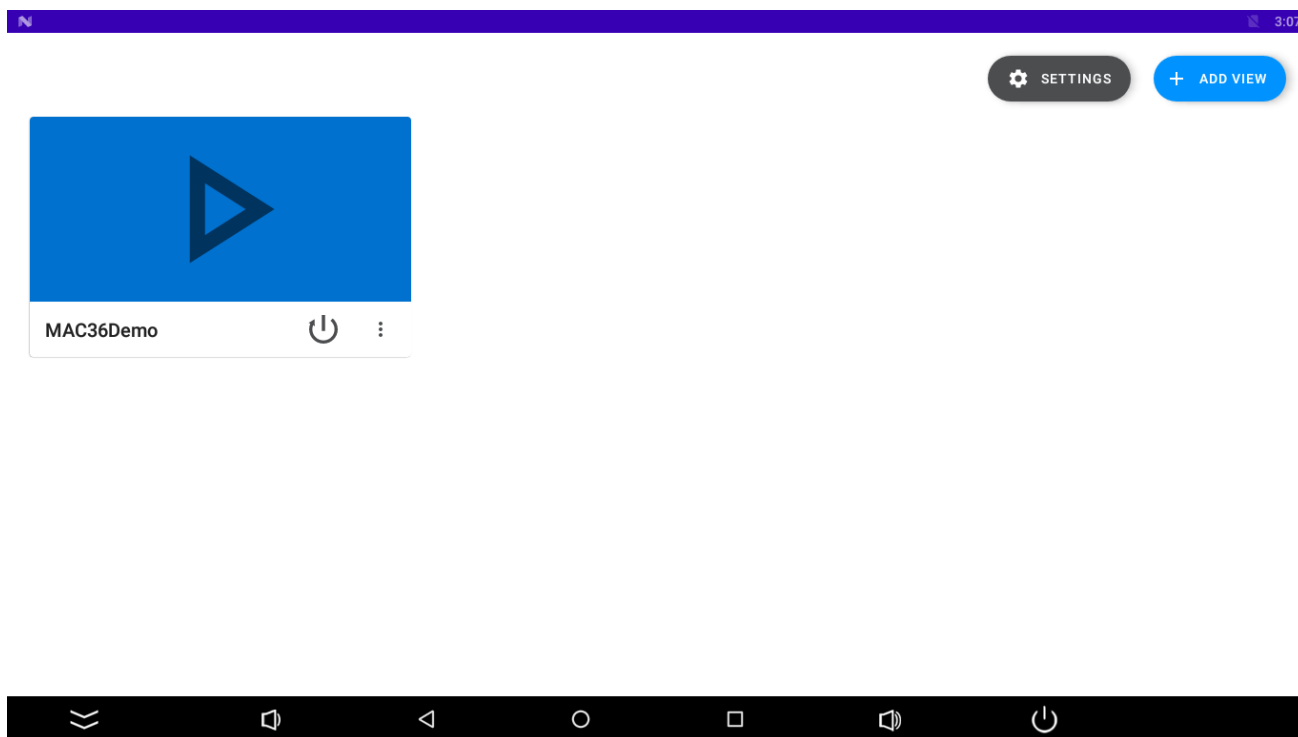


Figure 16. List of stations - the MAC36Demo is set as a home station, which is marked by the additional icon

### 3.3 Application Menu

When swiping down on the top of the display, the menu, which allows to go back/forward/refresh/home page, is visible. Nine tiles icon allows for going back to the main view with all added stations.



Figure 12. Application menu

### 3.4 Kiosk Mode and Other Settings

To turn on the Kiosk mode and change the password from the default ("password"), click on three black dots in the right top corner and choose settings. The new screen appears:

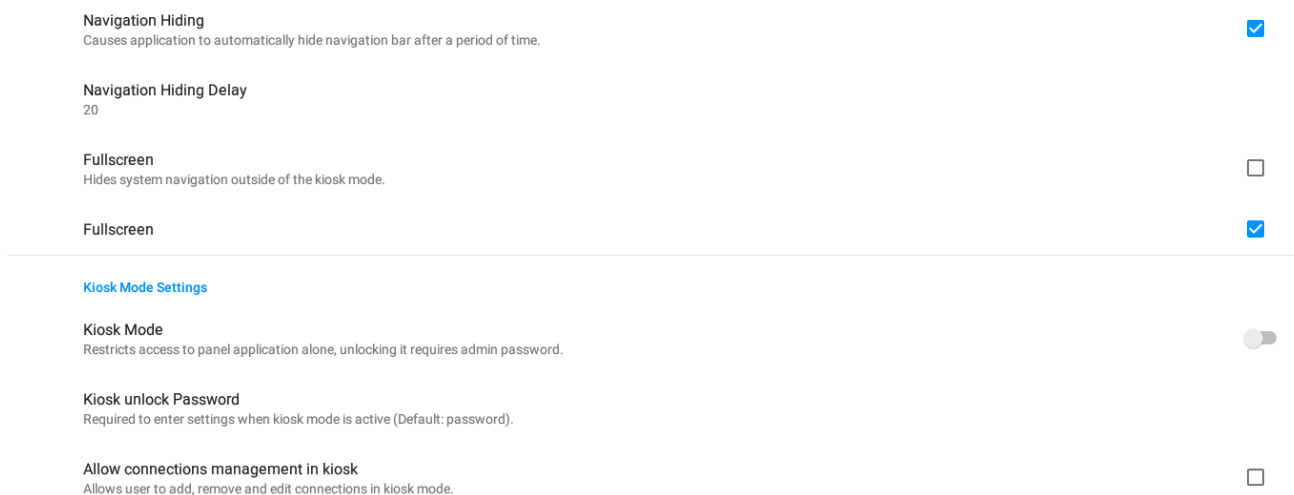


Figure 13. Settings

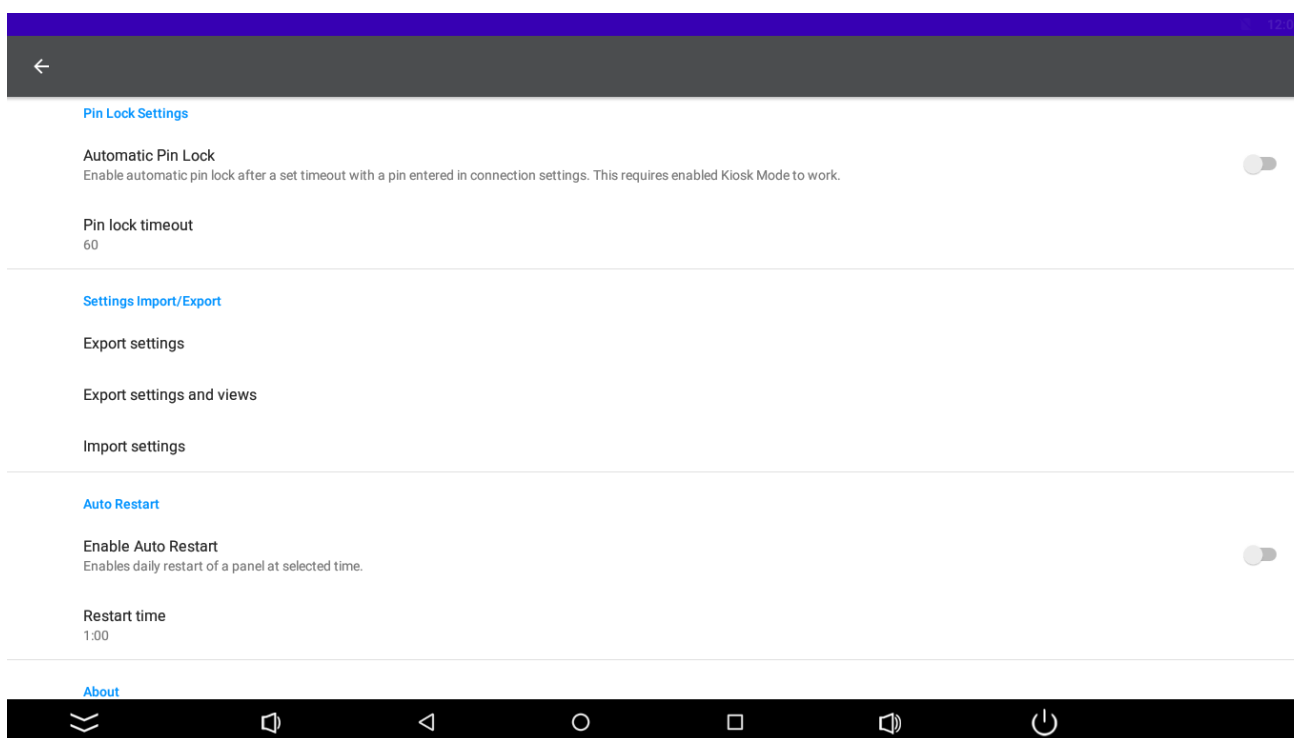


Figure 14. Settings

An admin password can be changed in this view together with turning on/off the Kiosk mode. After turning the Kiosk mode on, the password is needed to enter settings.

Other settings:

- Navigation Hiding: if marked, allows navigation to automatically hide after a time set in “Navigation Hiding Delay”;
- Navigation Hiding Delay;
- Fullscreen: opens the application in a fullscreen mode;
- Kiosk Mode: blocks the possibility to use other applications than the iSMA Android Application; Kiosk Mode blocks the possibility to restart and turn off the Panel PC with

Android;

- Kiosk unlock Password: allows changing the password for turning off the Kiosk mode; the default password is "password";
- Allow connections management in the kiosk: if marked, allows the user to add, remove, and edit connections while the Kiosk Mode is on;
- Automatic Pin lock: allows to add a PIN protection to the credentials (it can have up to 7 digits); in the Settings it has to be turned on.

**Note:** The automatic Pin lock works only when the Kiosk Mode is on.

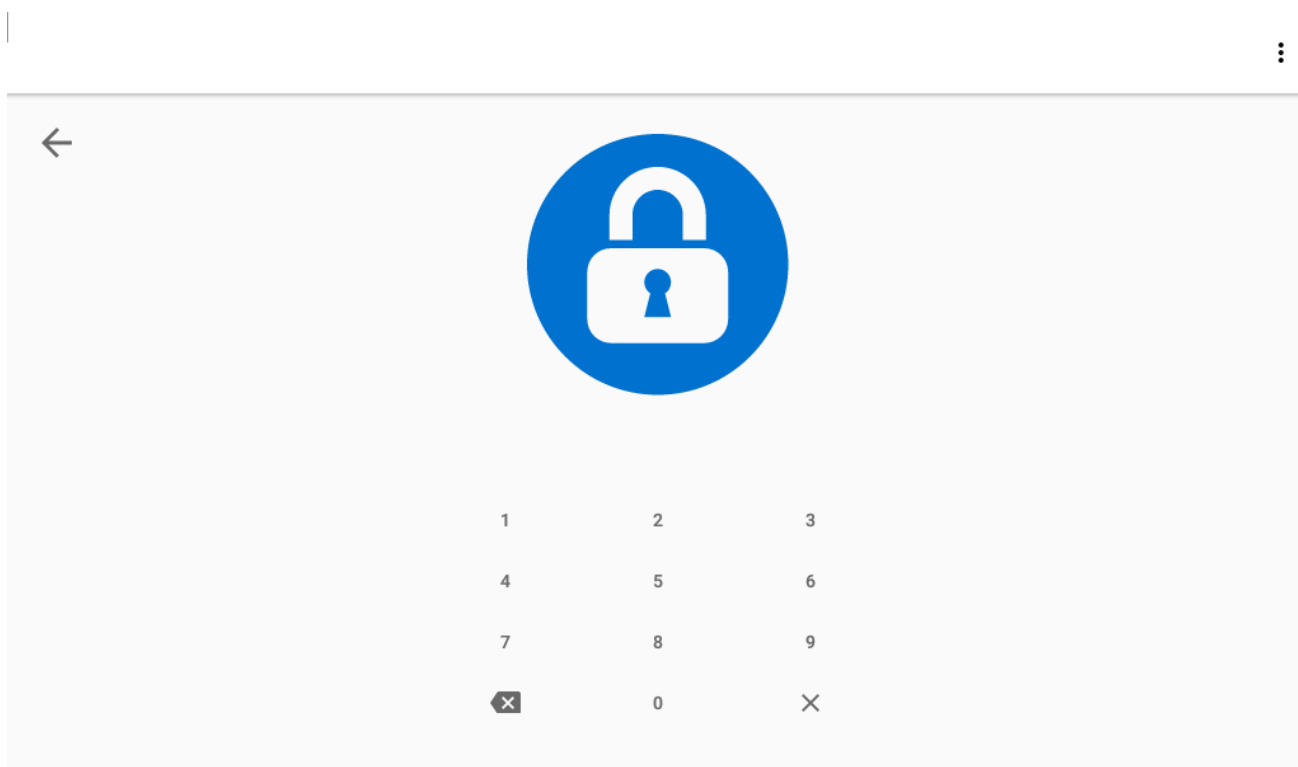


Figure 20. PIN lock popup

- Pin lock timeout: a station will get locked after a time set; to unlock the station it is necessary to enter the PIN;

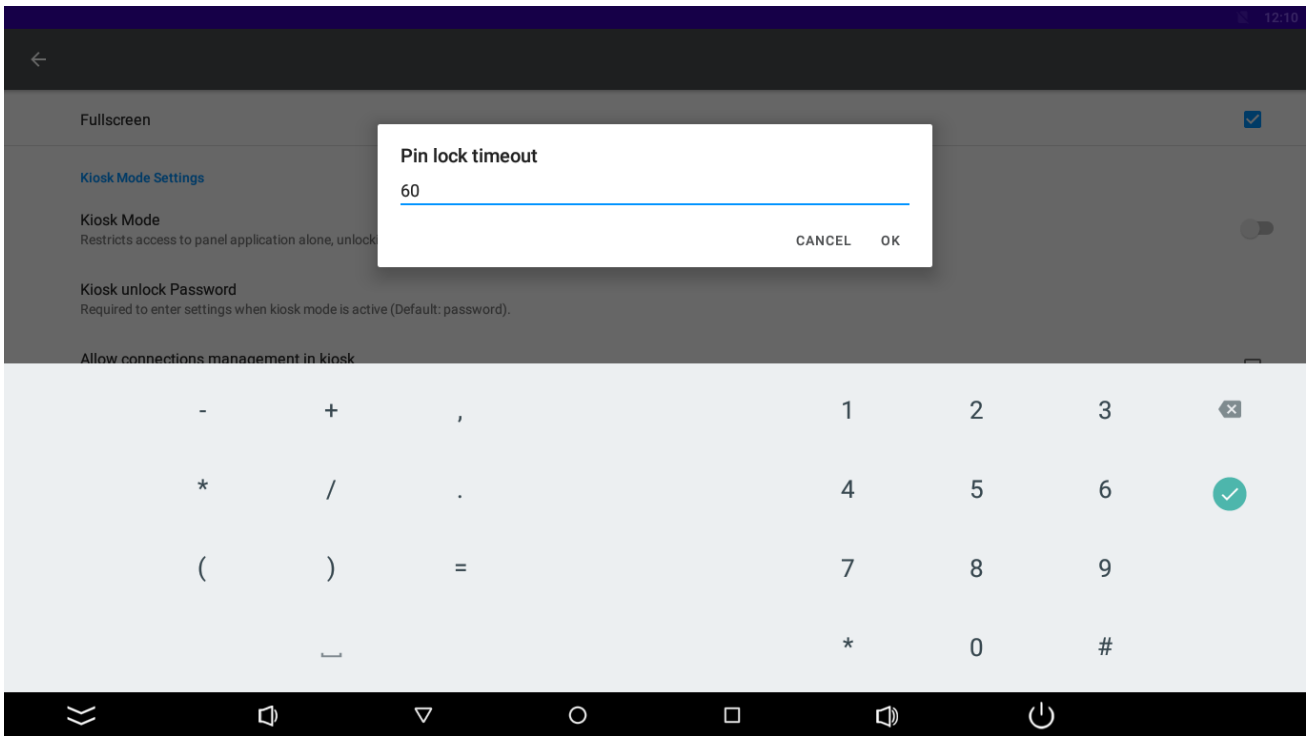


Figure 21. Settings Pin lock timeout

- Export settings: settings can be exported to a file;
- Import settings: settings can be imported from a file;
- Enable autorestart: when the Kiosk Mode is turned on, there is a possibility to turn on a daily restart of the Android panel;
- Restart time: the time of restart can be set here.

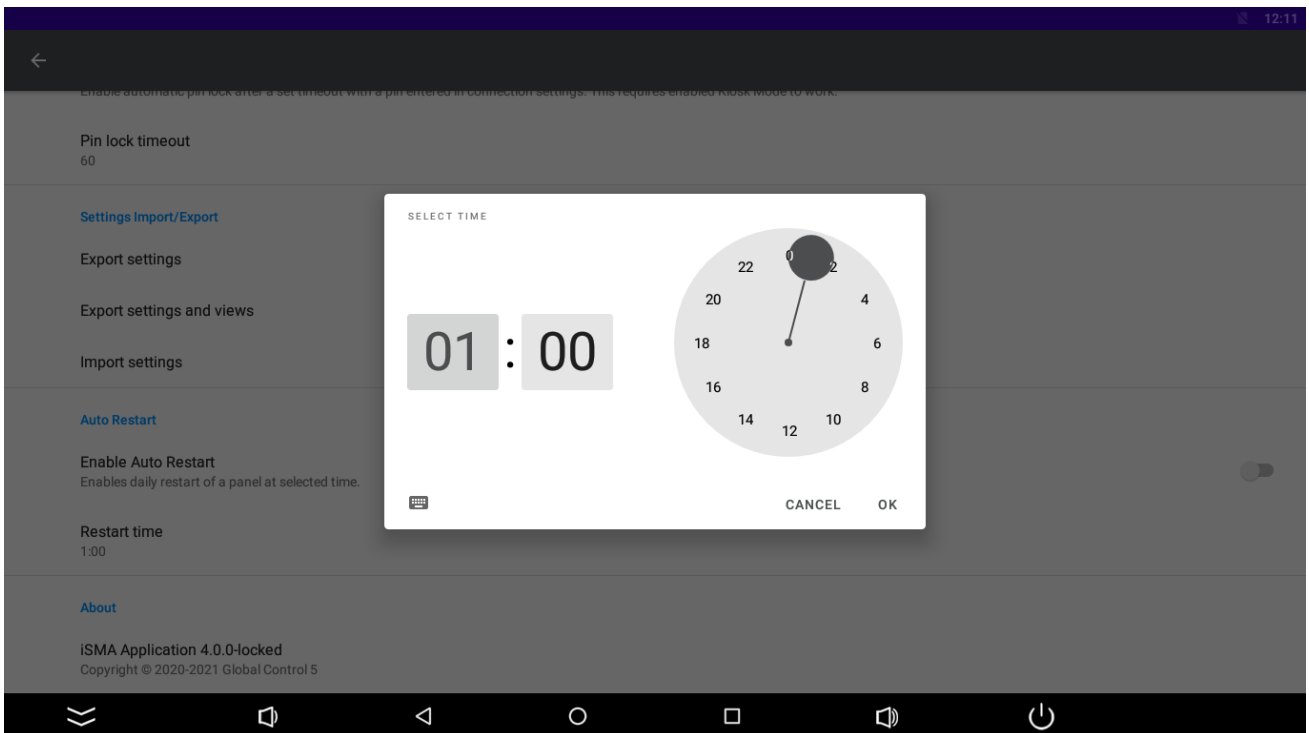


Figure 22. Setting restart time pop up



## 4 Changing the Language

There is a possibility to change the language of the application. The list of added translations includes:

- PL;
- DE;
- CZ;
- IT;
- HU;
- LV.

The iSMA Android application will be displayed in the system language, provided the language is included in the application list of languages. If the user sets the Android system language to one that is not available on the list, the application will be displayed in English. To change the system language, follow the below steps:

**Step 1:** Go to the main menu of the Android panel PC—a round, white icon with dots at the bottom center of the screen:

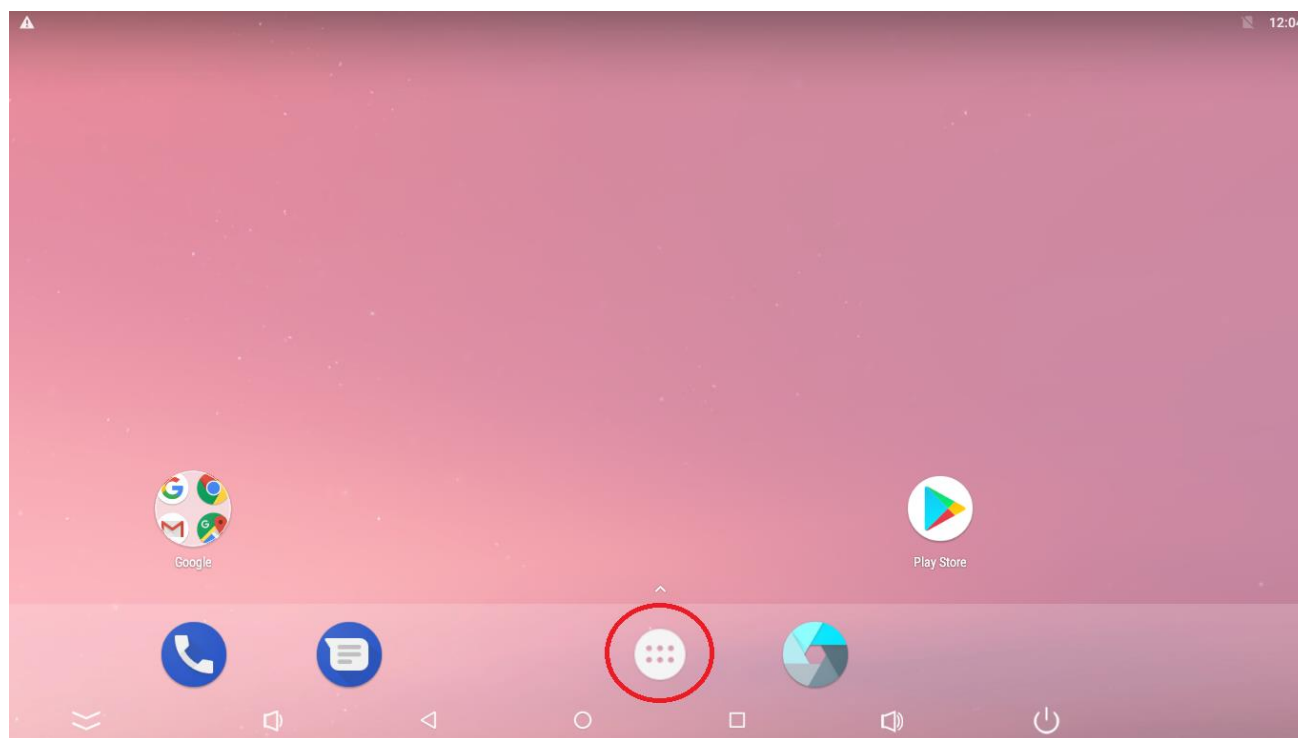


Figure 23. The main menu

**Step 2:** Go to the Settings:

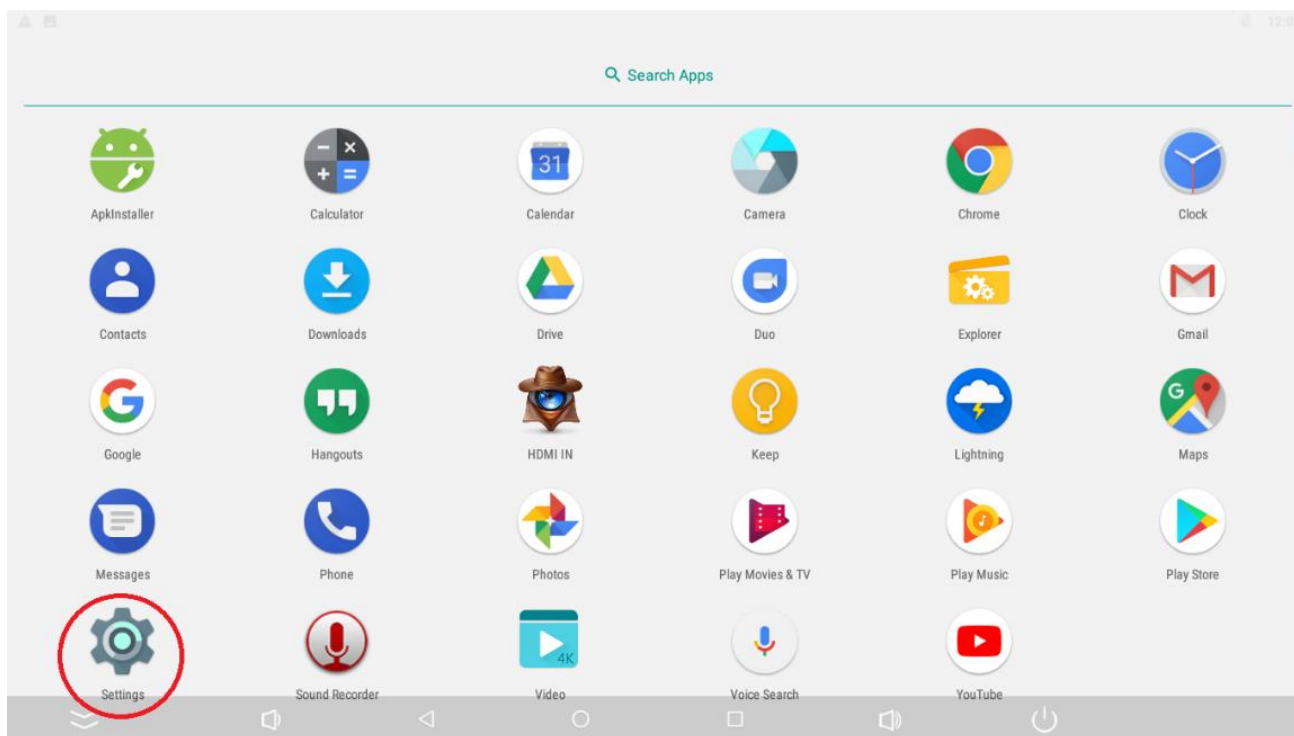


Figure 15. Settings

**Step 3:** Go to the Language & input:

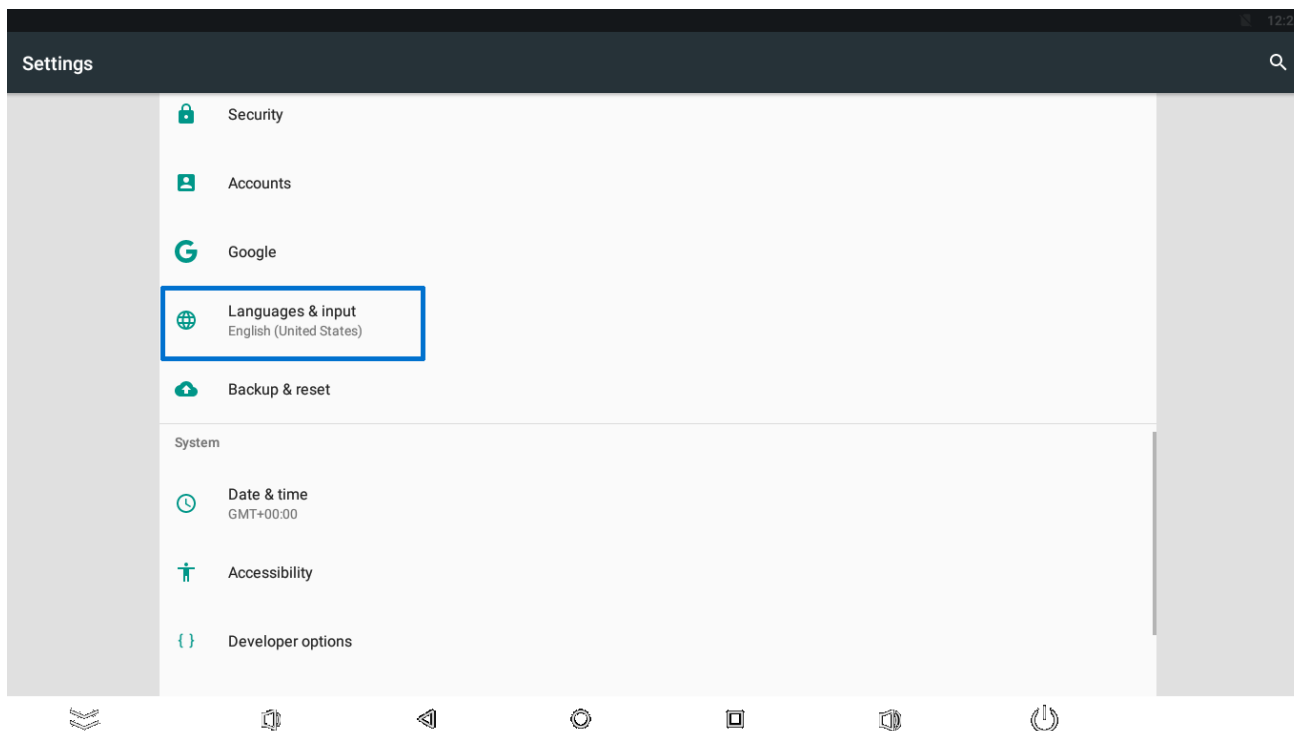


Figure 16. Language settings

**Step 4:** Go to the Language, which expands the list of languages available to choose from. Tap the chosen language:

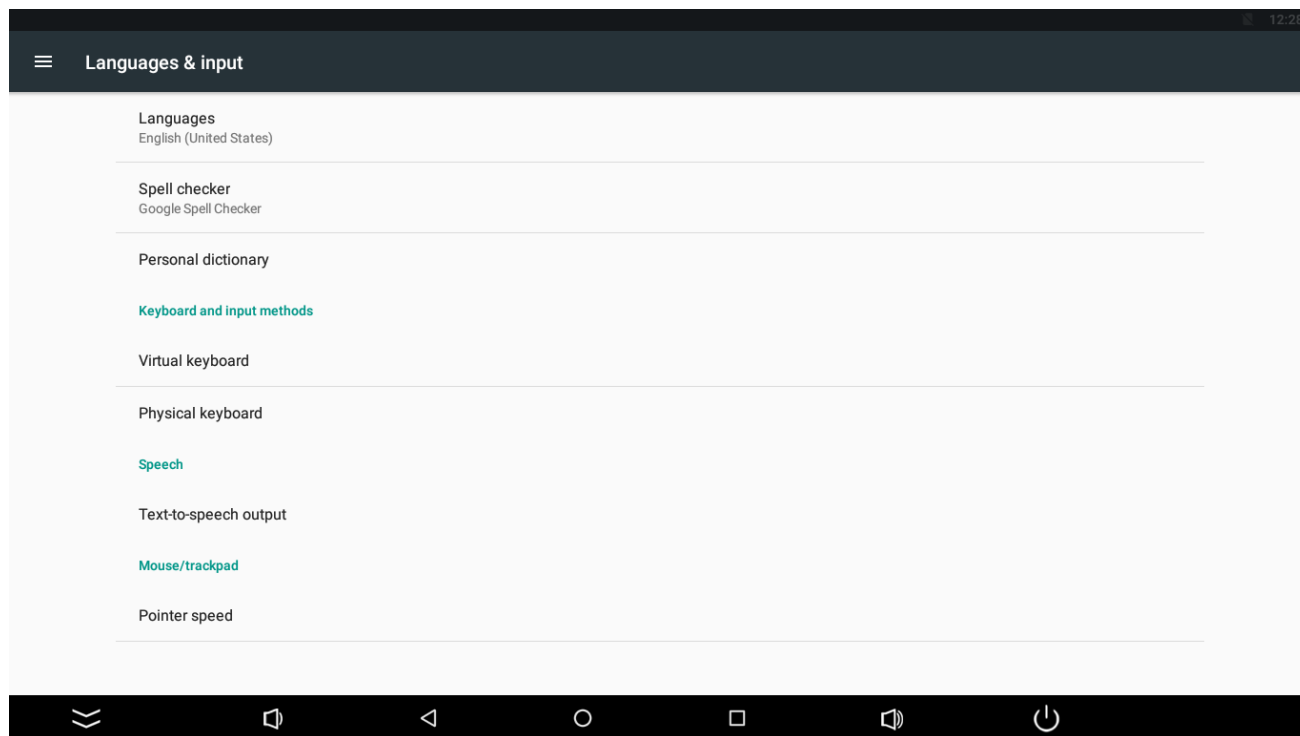


Figure 17. Language

## 5 Installing Updates

Follow the below steps to install an update:

**Step 1:** Installation files should be located on a USB flash drive.

**Step 2:** Turn the Kiosk Mode off.

**Step 3:** Insert the USB flash drive into a USB port located next to RJ45 (figures 6 and 7).

**Step 4:** The inserted USB drive can be visible in the Android menu at the top of the screen (scroll down).

**Step 5:** Click on file with an '.apk' extension and select Install in the popup window.

## 6 Export and Import of Settings

Follow the below steps to export settings:

**Step 1:** Select the Export settings or Export setting with views (exports settings along with connection data).

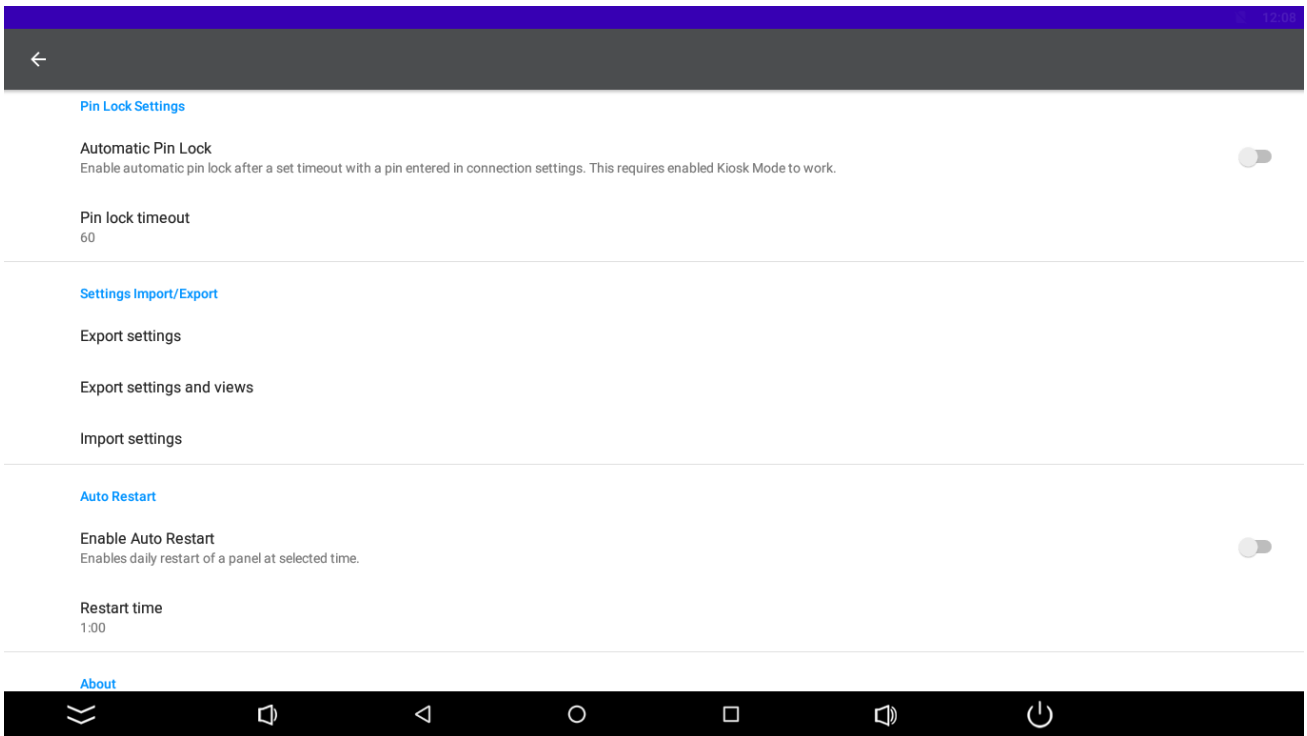


Figure 18. Export settings

**Step 2:** New window shows up. A default name of the file is 'iSMA\_export.json' but it can be changed; also at this point the user has to pick the location of the file (touch the three dots icon in the right top corner of the screen).

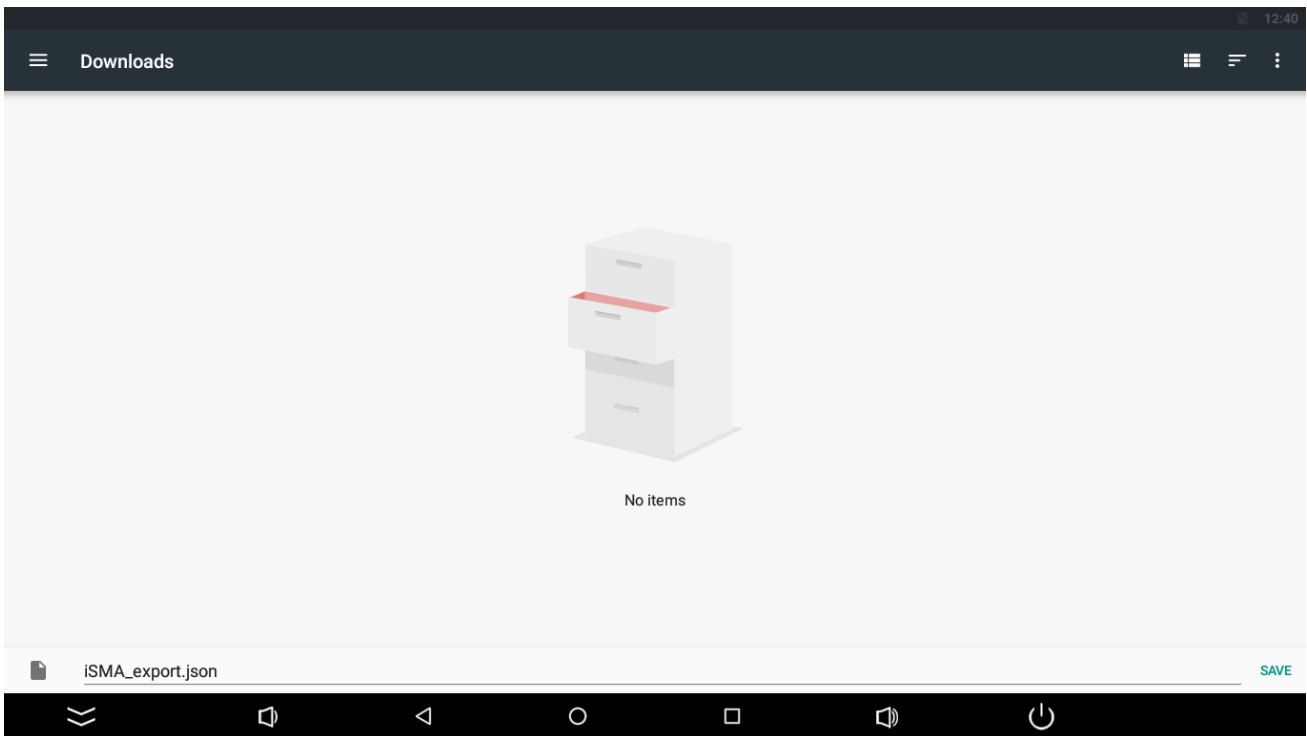


Figure 19. Export file name and location

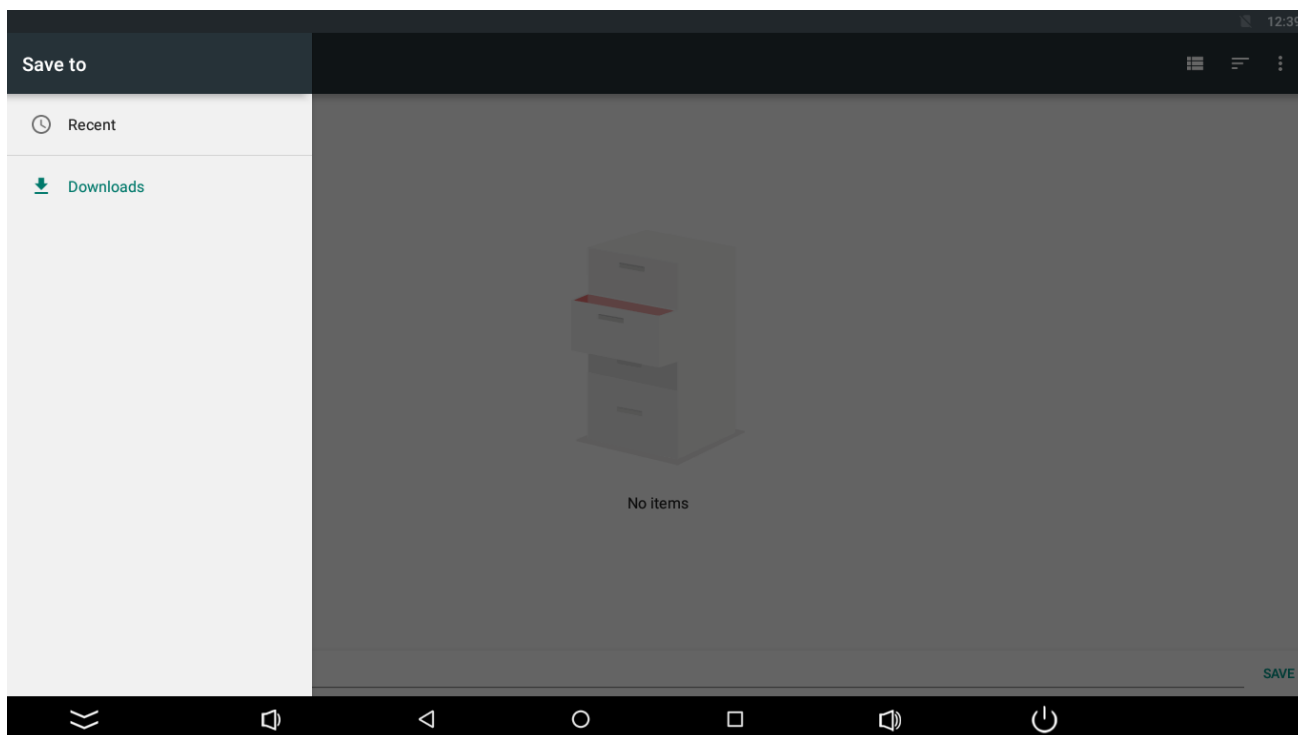


Figure 29. Selecting location for an export file

Follow the below steps to import settings:

**Step 1:** Select the Import settings.

**Note:** Importing settings overwrites current settings, including added connections.

**Step 2:** Choose a file to import (touch the three dots icon in the right top corner of the screen); it can be downloaded from an e-mail, cloud, or from a flash drive.

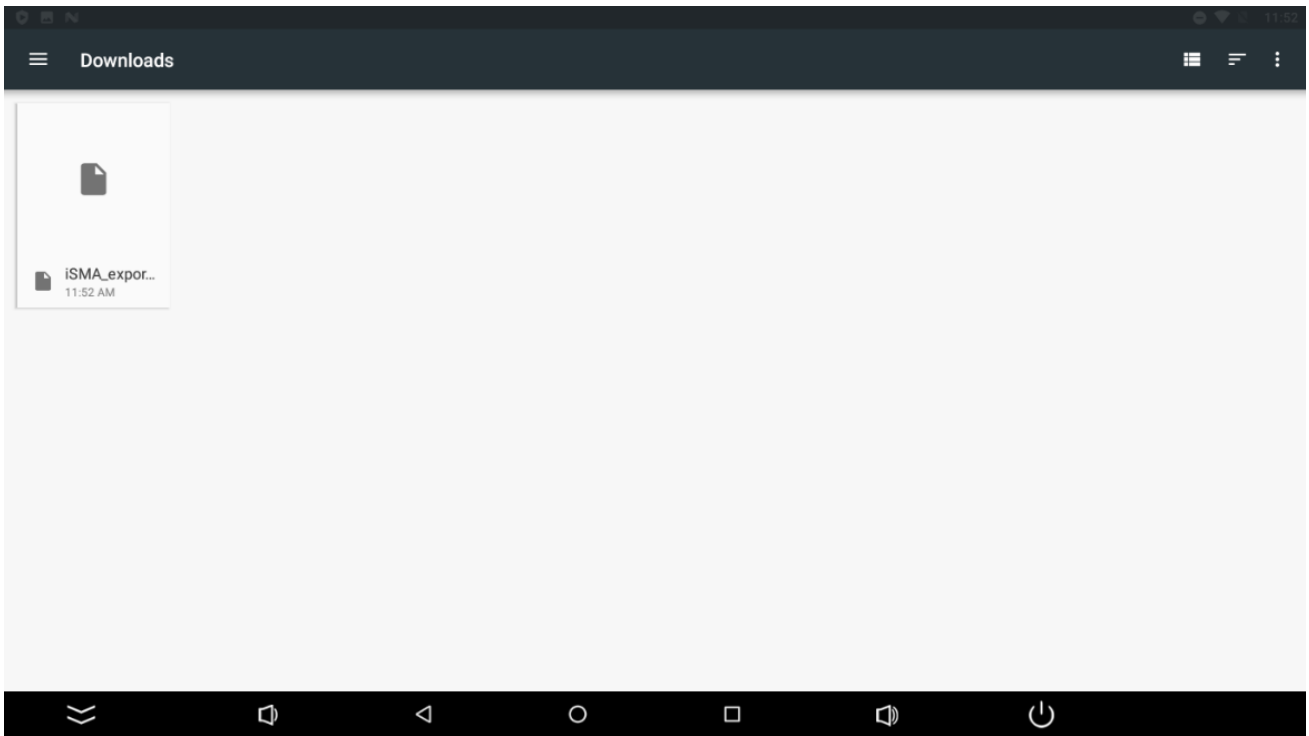


Figure 30. Import settings file location