CipherLab

User Guide

Android Deployment Configurator

For Android™

RS30
RS31
9700A
RS50
RS51
RK25
HERA51

Version 1.07

CIPHERLAB

Copyright © 2019 CIPHERLAB CO., LTD.
All rights reserved

The software contains proprietary information of its owner; it is provided under a license agreement containing restrictions on use and disclosure and is also protected by copyright law. Reverse engineering of the software is prohibited.

Due to continued product development, this information may change without notice. The information and intellectual property contained herein is confidential between the owner and the client and remains the exclusive property of the owner. If having any problems in the documentation, please report them to us in writing. The owner does not warrant that this document is error-free.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior written permission of the owner.

For product consultancy and technical support, please contact the local sales representative. Also, visit our website for more information.

All brand, logo, product and service, and trademark names are the property of their registered owners.

Google, Google Play, Android and other marks are trademarks of Google Inc.

The editorial use of these names is for identification as well as to the benefit of the owners, with no intention of infringement.

CIPHERLAB logo is a registered trademark of CIPHERLAB CO., LTD. All other brands, products and services, and trademark names are the property of their registered owners. The editorial use of these names is for identification as well as to the benefit of the owners, with no intention of infringement.

CIPHERLAB CO., LTD.
Website: http://www.CipherLab.com

RELEASE NOTES

Version	Date	Notes
1.07	August 6, 2019	RS51 mobile computer & HERA51 mobile POS are supported. Update all figures. Update Section 1.2 "**Install ADC Program on PC**" Update Section 1.3 "**Start with a New Project**". Add new Section 1.5.1 "**Palette**". Update Section 2.6 "**Customize Project Setting**". Add new Section 2.6.14 "**Software Trigger**". Add new Section 2.6.15 "**EZConfig**". Update Chapter 3: "**Barcode To Setting**". Add new Section 3.11 "**Software Trigger**". Add new Section 3.12 "**EZConfig**".
1.06	Jan. 8, 2019	Add "Keypad Lock" to 2.6.7 "Button Assignment for RK25 & 9700A"
1.05	July 5, 2018	Add new Section 2.6.7 "Button Assignment for RK25 & 9700A" Modify the "Add Shortcuts" part of Section 2.6.12 "**AppLock**" Add "For RK25 & 9700A Mobile Computer" to Section 3.4 "Button Assignmenmt" Modify the "Add Shortcuts" part of Section 3.9 "**AppLock**" Update all related figures.
1.04	June 8, 2018	RK25 Mobile Computer is supported. Add "Captive Portal Detection Enabled" to Section 2.6.8 & Section 3.6: **Wi-Fi Setting** Update Section 2.6.11 & Section 3.9: "AppLock" Add "Show filtered notifications" to Section 2.6.11: "AppLock". Update all related figures.
1.03	March 26, 2018	Revise the discription about "Update OS Image through SD Card" & "Activate System Update" in Section 1.5: "Main Screen" Add "**Advanced**" to Section 2.6.8 "**Wi-Fi Settings**" & Section 3.6 "**Wi-Fi Settings**" Revise the chapter heading of Chapter 3 from "Stage Tool" to "**BarcodeToSetting**". Update all releated figures.
1.02	Dec. 21, 2017	Add "**Option**" part to Section 2.6.11: "**AppLock**" Add the description about new funtion "**Home**" to Section 2.6.12: "**System Settings**" Add new sections (3.2 Auto Run, 3.3 Barcode Reader, 3.4 Button Assignment, 3.7 Cellular Data, 3.8 Terminal Emulation, and 3.9 AppLock) to Chapter 3: "BarcodeToSetting" Update all related figures.

1.01	Dec. 1st , 2017	Revise "**Button Assigment**" to Section 2.6 Add "**System Settings**" to Section 2.6 Add Section 2.7: "Deploy All Settings to Devices" Add Chapter 3: "**BarcodeToSetting**". Update all figures.
1.00	Apr 27, 2017	Initial release

CONTENT

RELEASE NOTES ..... - 3 -

INTRODUCTION 7

GETTING STARTED 8

1.1 Prerequisites 9

1.2 Install ADC Program on PC 11

1.3 Start with a New Project 13

1.4 Start with an Existing Project 18

1.5 Main Screen 20

1.5.1. Palette 23

1.5.2. Security 25

1.5.3. Preferences 26

MANAGE PROJECTS 27

2.1 Create a Project 28

2.2 Open a Project 29

2.3 Delete a Project 30

2.4 Duplicate a Project 31

2.5 View Project Info 32

2.6 Customize Project Configurations 33

2.6.1. Configurable Settings 34

2.6.2. File Transfer 37

2.6.3. Auto Installation 39

2.6.4. Auto Run 41

2.6.5. Barcode Reader 46

2.6.6. Button Assignment (for RS30, RS31, RS50, RS51, & HERA51) 52

2.6.7. Button Assignment (for RK25 & 9700A) 54

2.6.8. Wireless Manager 64

2.6.9. Wi-Fi Settings 65

2.6.10. Cellular Data 67

2.6.11. Terminal Emulation 69

2.6.12. AppLock 71

2.6.13. System Settings 82
2.6.14. Software Trigger 86
2.6.15. EZConfig 87
2.7 Deploy All Settings to Devices 88
BARCODE TO SETTING 89
3.1 Getting Started 90
3.2 Auto Run 92
3.3 Barcode Reader 95
3.4 Button Assignment 98
3.5 Wireless Manager 103
3.6 Wi-Fi Settings 105
3.7 Cellular Data 108
3.8 Terminal Emulation 110
3.9 AppLock 113
3.10 System Settings 116
3.11 Software Trigger 119
3.12 EZConfig 121
MULTI-LANGUAGE SUPPORT 124
4.1 Create Your Own Language File 125
4.2 Edit Your Own Language File 129

INTRODUCTION

Android Deployment Configurator (hereafter referred to as **ADC**) is a windows-based project configuration tool, helping you to devise configuration projects for your mobile computers to meet various needs.

ADC features

- Easy management interface for you to create/edit/save multiple projects
- Comprehensive scope of configurable settings to fulfill various requirements:
  - Transferring files (configuration files, applications or any file) from Server to the devices
  - Auto installation of APK files
  - Auto run of your designated applications
  - Configuration of Barcode reader settings, including symbology settings, scanning preferences, notification, data output, etc.
  - Turning On/Off wireless connection such as Wi-Fi, Bluetooth or Cellular data
  - Configuration of Wi-Fi settings by giving SSID, security mechanism used, password, etc.
  - Configuration of cellular data settings
  - Configuration of Terminal Emulation sessions properties
  - Configuration of AppLock by defining the applications allowed as well as showing/hiding notification bar, changing background display, setting up a password to restrict the access, etc.
- Password protection for critical project management actions
- Allowing for adding additional languages to user interface and customization of wording
- Device settings synchronization over USB connection
- One-at-a-time device deployment over USB connection

GETTING STARTED

This chapter helps you get ready for using this program. If you're running ADC on PC for the first time, everything starts with setting up a project.

IN THIS CHAPTER

1.1 Prerequisites..... 9
1.2 Install ADC Program on PC 11
1.3 Start with a New Project..... 13
1.4 Start with an Existing Project 18
1.5 Main Screen..... 20

1.1 PREREQUISITES

In order for ADC to work on your computer:

- Before installing ADC program on your computer, make sure the operating system is Windows 7 or 8 or 10.
- Your device is already set to **USB debugging Mode**.
- The device is connected to the computer with supplied USB cable. This is essential for data synchronization (of application list, Barcode Reader, Button Assignment, Wireless Manager, and AppLock) and device deployment.

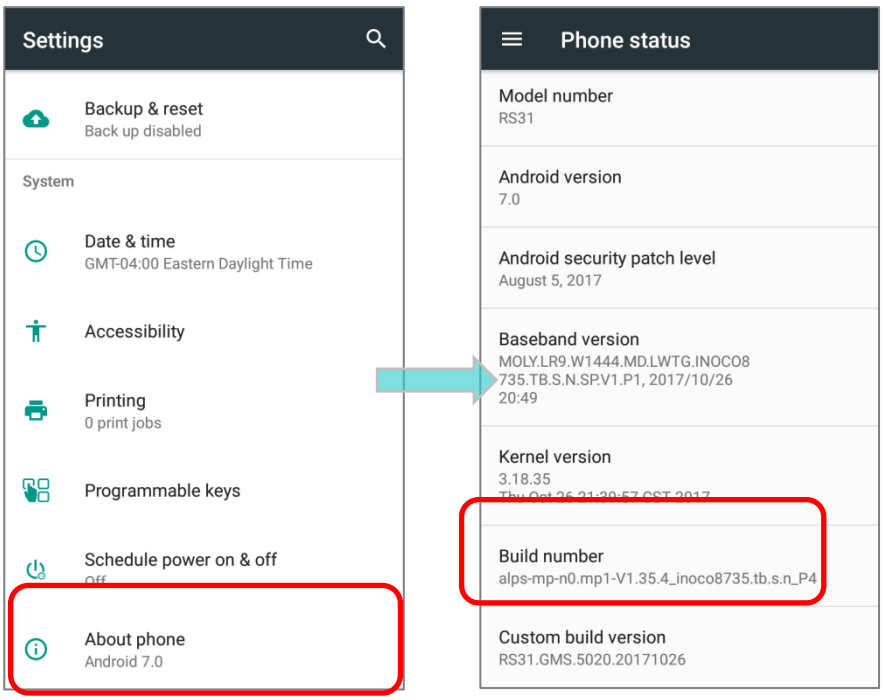
After devising the configuration tasks using ADC program, deploy them to your devices with WMDS program, please:

- Install WMDS Agent on your devices.
- Install WMDS (Wireless Mobile Deployment System) server program on a computer (better on the same computer as ADC program); after you finish devising a project, execute WMDS program and start deploying the configurations to devices. For more details on using WMDS, please refer to the help file embedded in WMDS program.

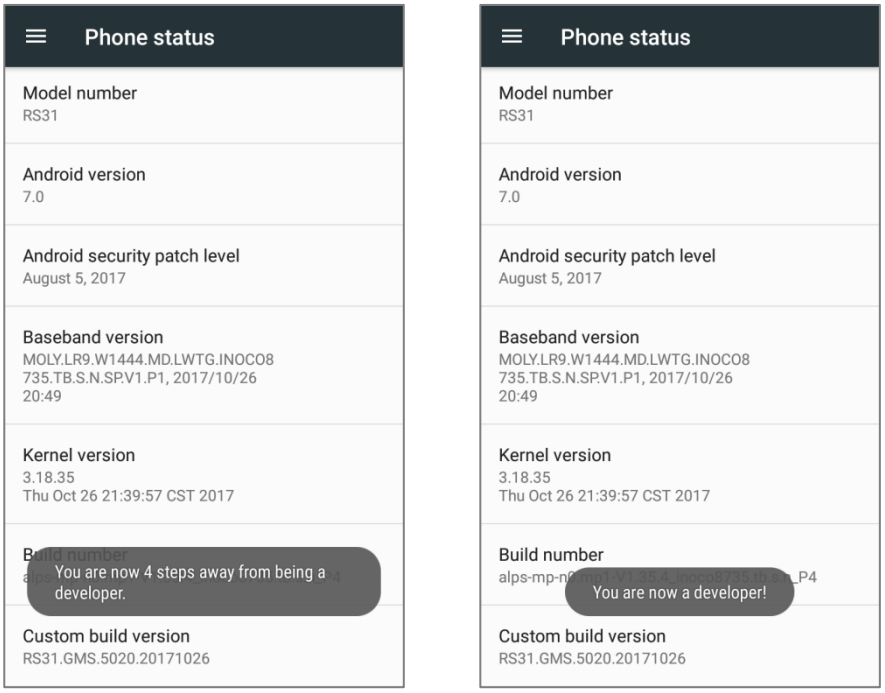
HOW DO I ENABLE DEBUGGING MODE ON MY DEVICE?

Please follow the steps below to turn on debugging mode on your device:

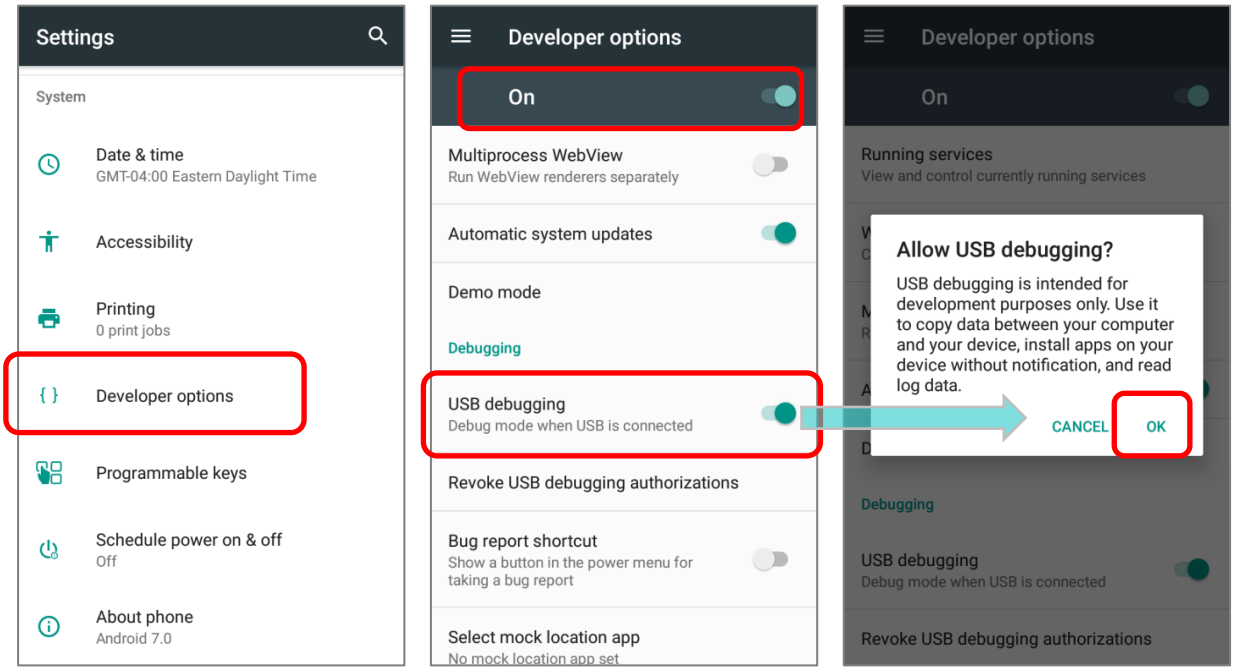
1) Go to All Apps | Settings | About phone | Build number.



2) Tap on **Build number** seven times to enter Developer mode. During the process, you'll see a prompt with a countdown reading "**You are now X steps way from being a developer.**" When you see "**You are now a developer!**" showing up, you have succeeded in entering developer mode.

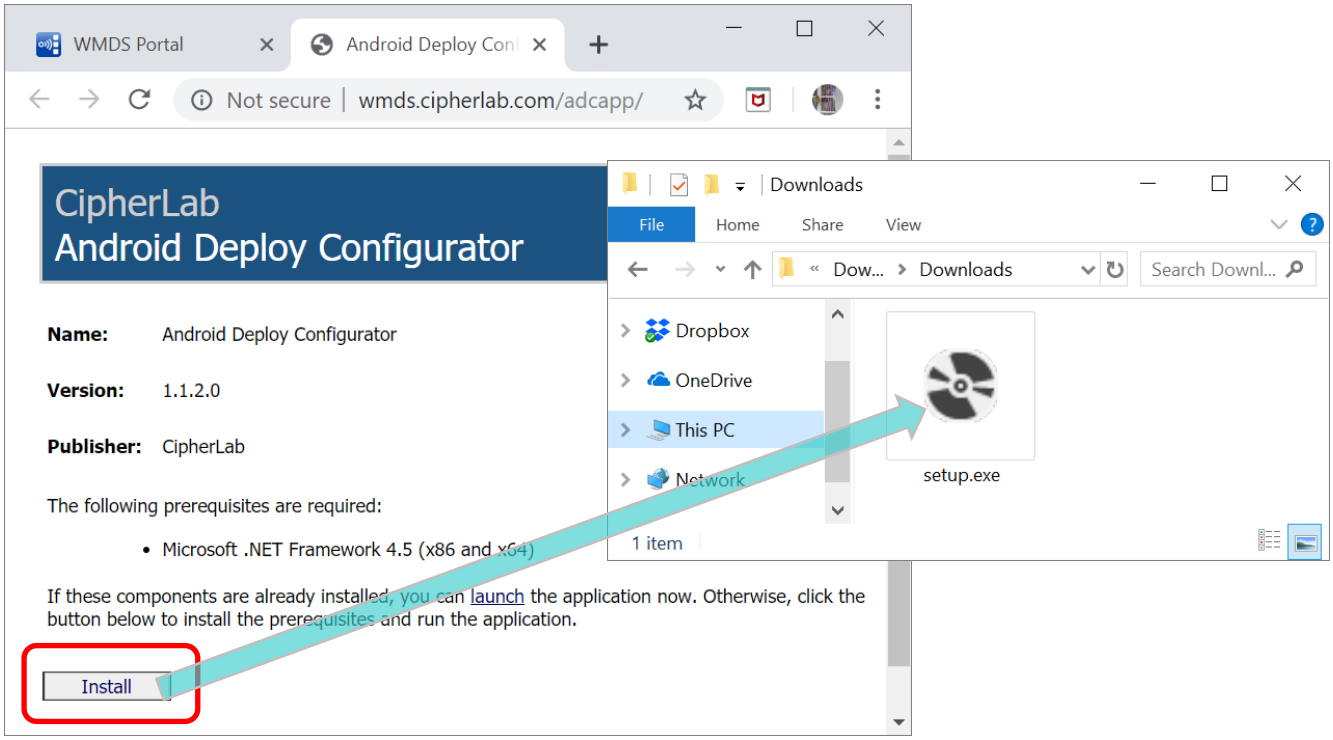


3) Return to **Settings** and tap on "{ }**Developer options**", switch both **Developer** options and **USB debugging** to "**On**" , and tap on "**OK**" on the confirmation window.

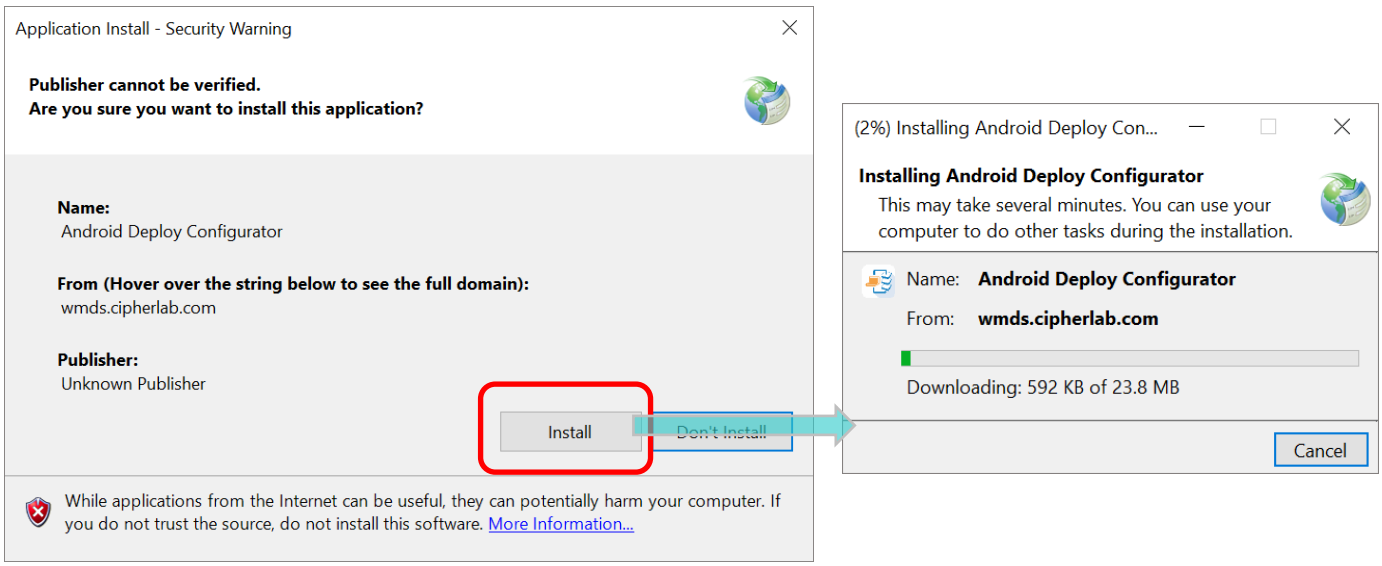


1.2 INSTALL ADC PROGRAM ON PC

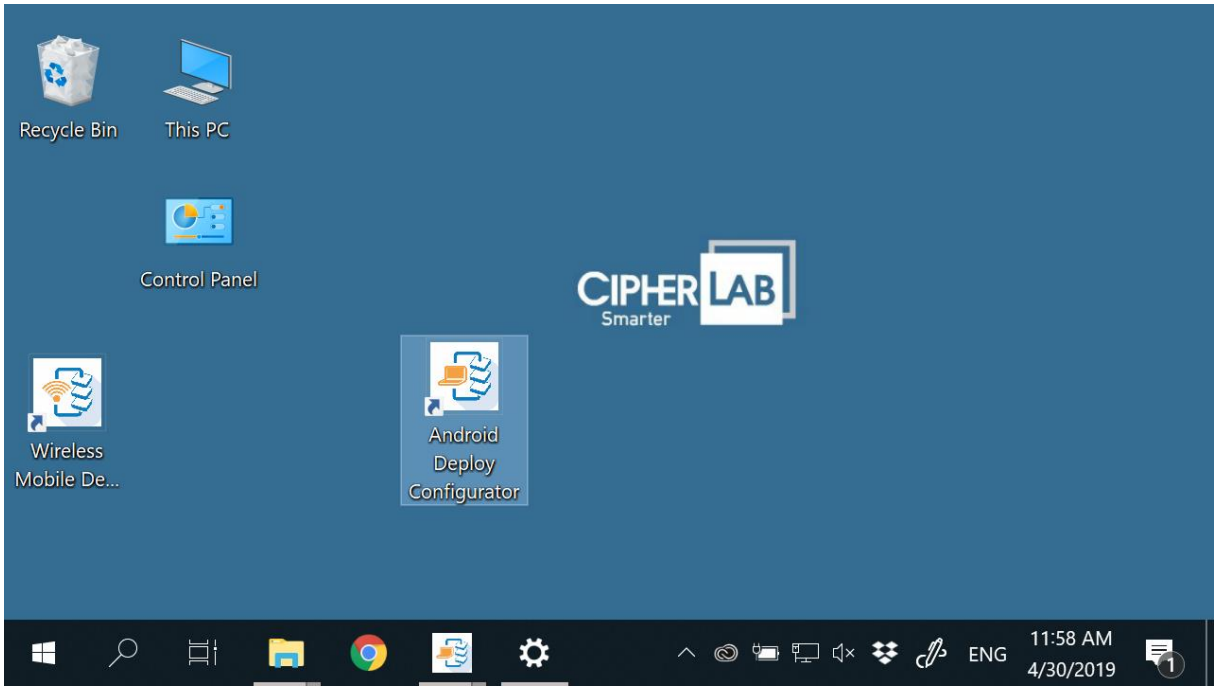
1) Download ADC program installer from http://wmds.cipherlab.com/ to your PC and run it by following its on-screen instructions.



2) Click on "***Install***" to start installing ***Android Deploy Configurator***, and the installation will be done within few minutes.

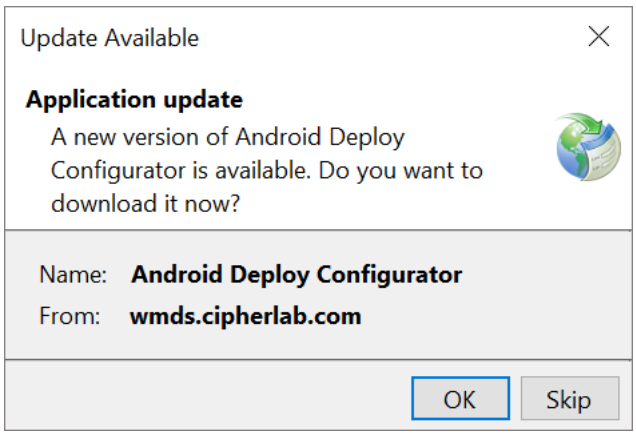


3) The installer will automatically create a desktop shortcut.



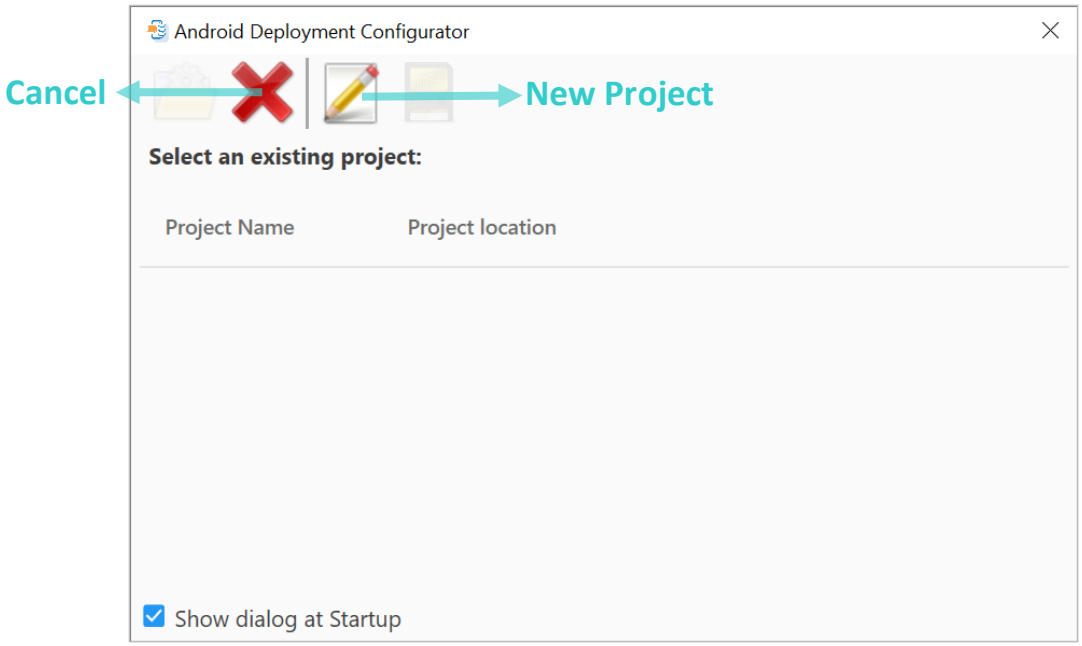
Note:

Everytime the ADC program is launched, it automatically checks whether there's any updated version via Internet. For better performance, please keep your ADC program up to date.

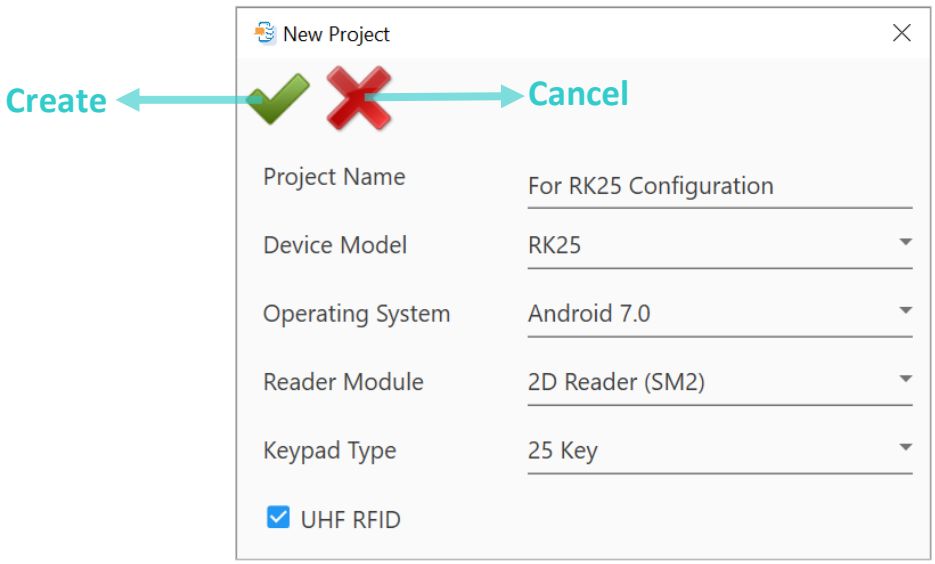


1.3 START WITH A NEW PROJECT

1) Execute ***Android Deployment Configurator***. From the startup dialog shown below, click on "***New Project***" to start devising a project.

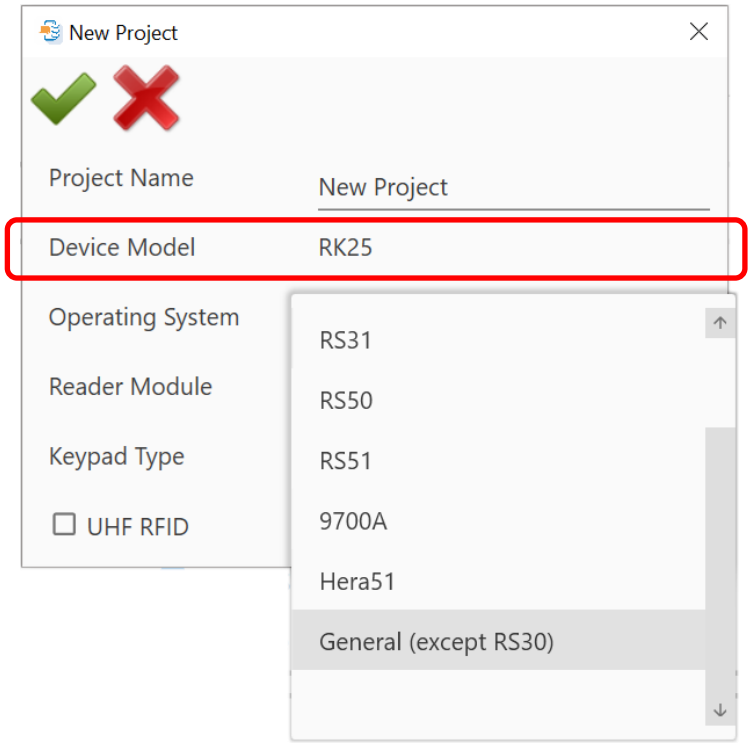


2) On ***New Project*** window, define the scope of your project and then click on "***Create***" to proceed. Pease make sure you have given the following items as specific definition as possible in order for the projects to be correctly deployed to the devices.



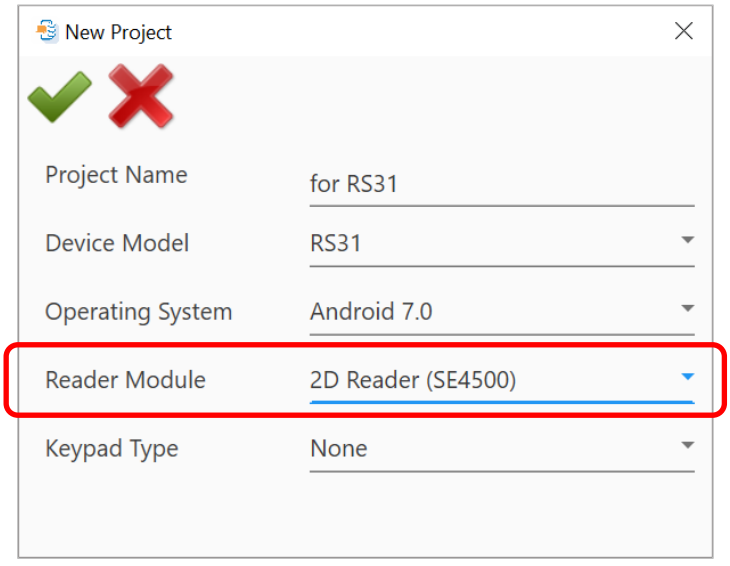
- **Project Name** – To achieve efficiency and convenience for management, it is suggested that you input a project name clear enough for you to easily to identify the purpose of this project.

- **Device Model** – Select the correct model name of the device(s) for the drop-down menu. By selecting "**General (except RS30)**", this project will be applicable for all the device models exclude RS30 mobile computers.

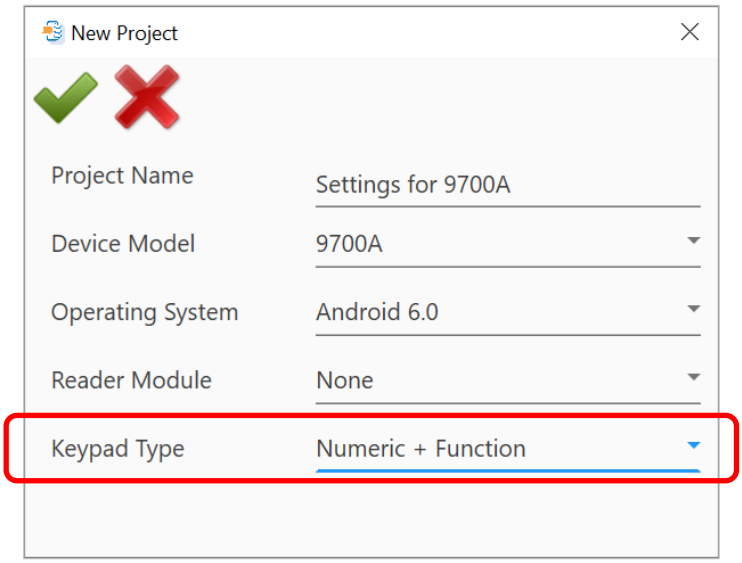


- **Operation System** – You may need to further select the operating system depending on the device model you select.

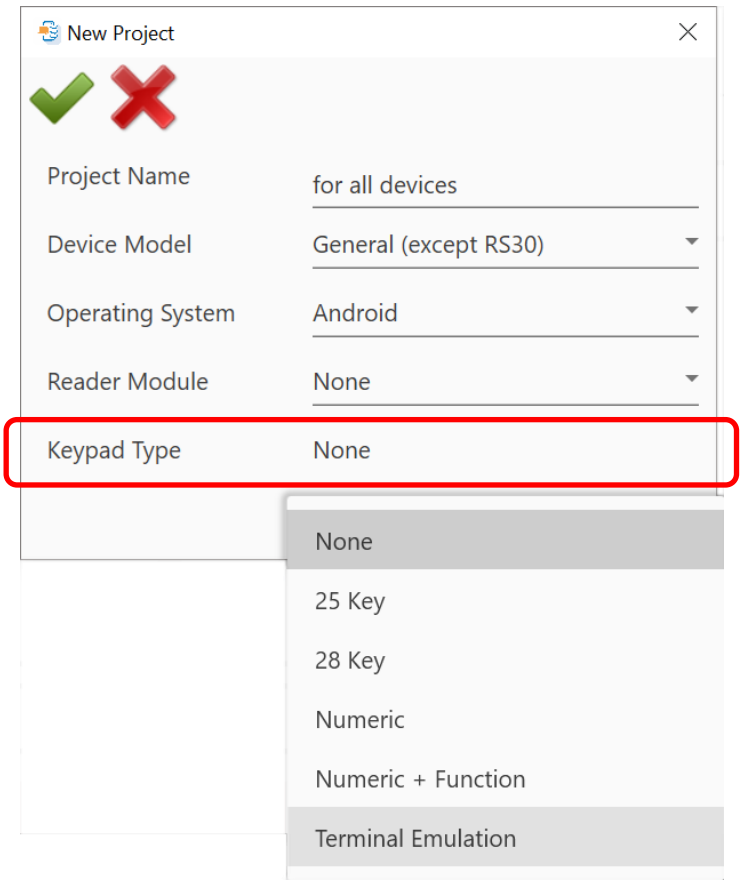
- **Reader Module** – If you will include the setting of Barcode Reader properties in this project, please select the reader type here. For "**Device Model**" which is set as "**General (except RS30)**", "**Reader Module**" lists all the reader type for choosing.



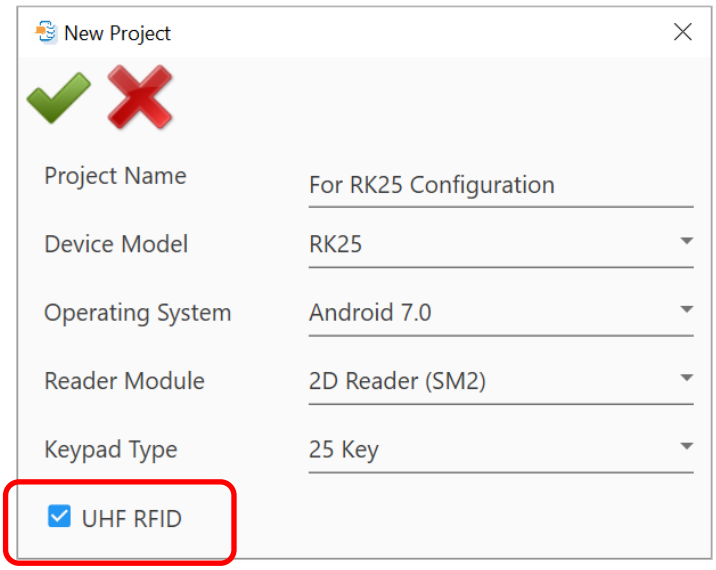
- **Keypad Type** – If you will include the setting of Buttons in this project, please select the corresponding Keypad type here.



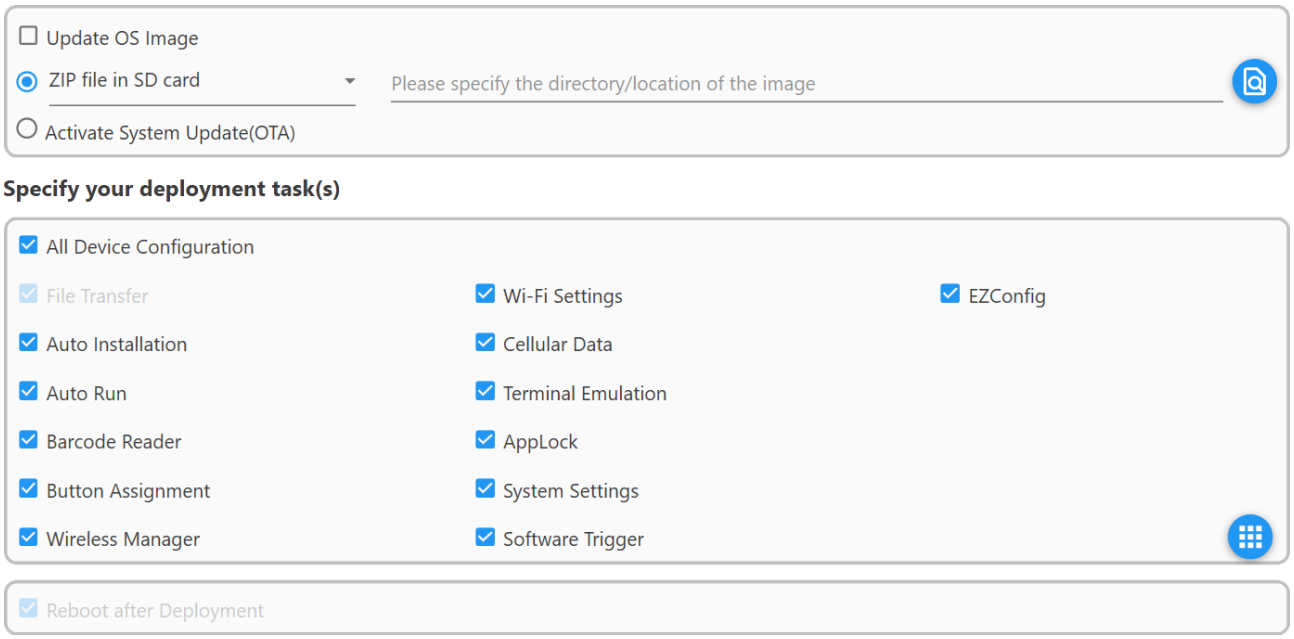
For "**Device Model**" which is set as "**General (except RS30)**", "**Keypad Type**" lists all the keypad types for choosing. If "**None**" is selected, the configurable keys listed on "**Button Assignment**" will be based on RS51 mobile computer.



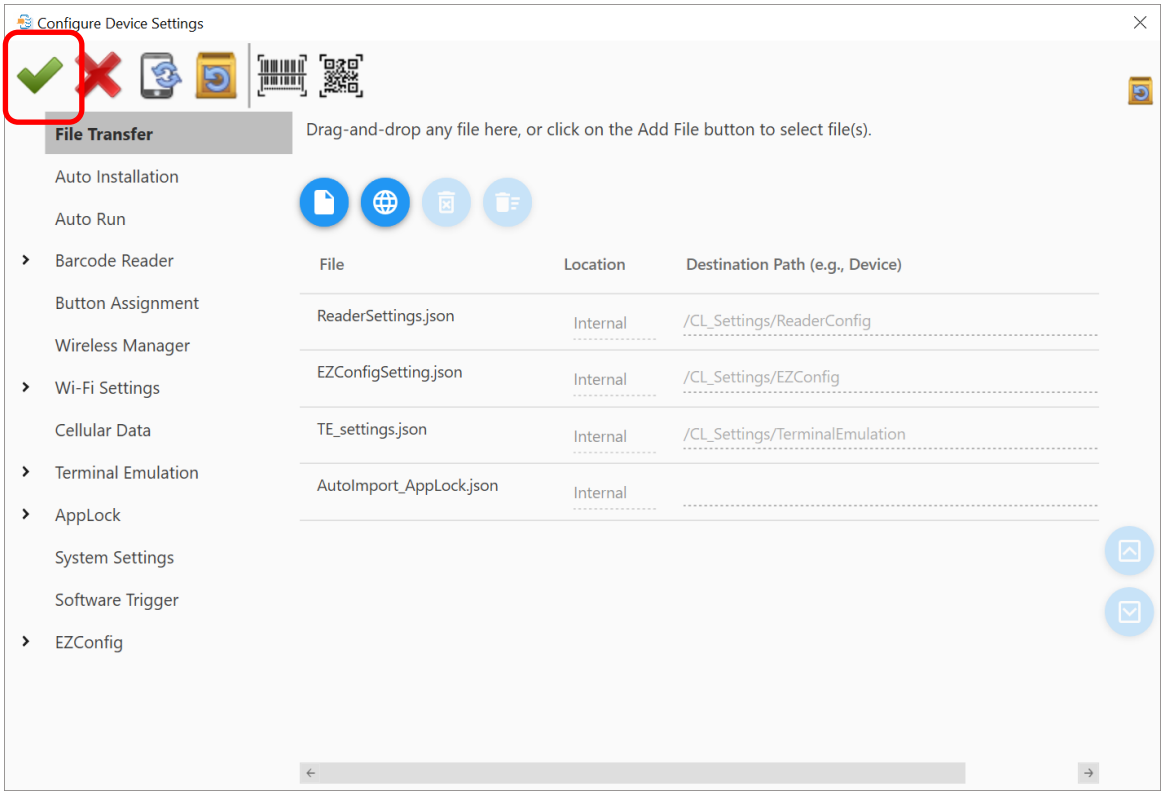
- **UHF RFID** – By ticking the checkbox of "***UHF RFID***", you can further configure the settings of the application ***EZConfig*** which is for CipheLab RK25 mobile computer to works with RK25 UHF RFID Reader to read RFID tags.



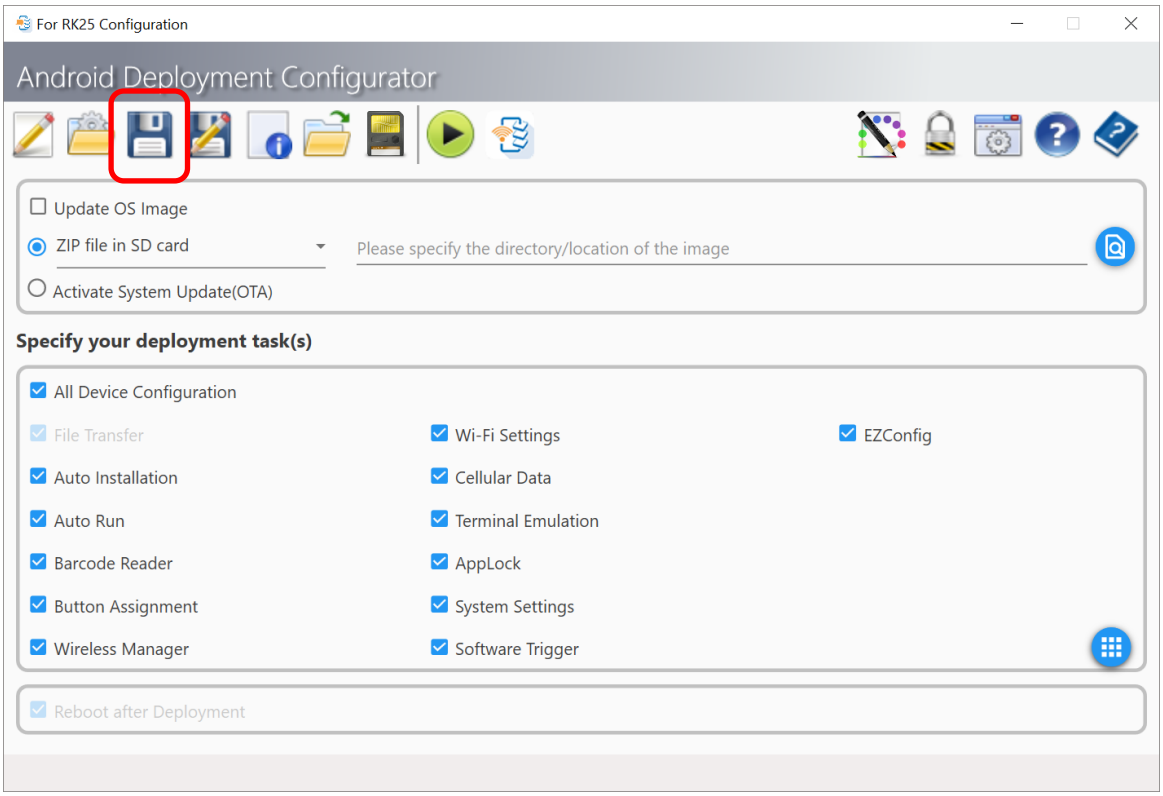
On ***Specify your deployment task(s)*** list, check **ONLY** the settings that you wish to be deployed in this project. Click on "***Configure...***" when you finish checking the items and proceed to modify detailed settings (refer to Configurable Deployment Tasks).



3) On ***Configure Device Settings*** screen, modify device configurations (see Customize Project Configurations for details). When you finish setting, click on "***Apply*** ✔" to save the settings and return to Main Screen.



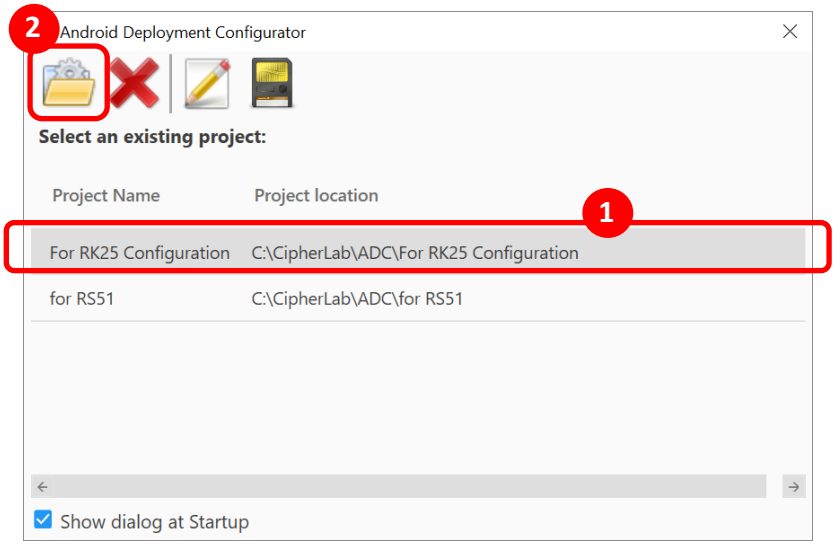
4) On Main Screen, click on "***Save Project***" to save the project.



1.4 START WITH AN EXISTING PROJECT

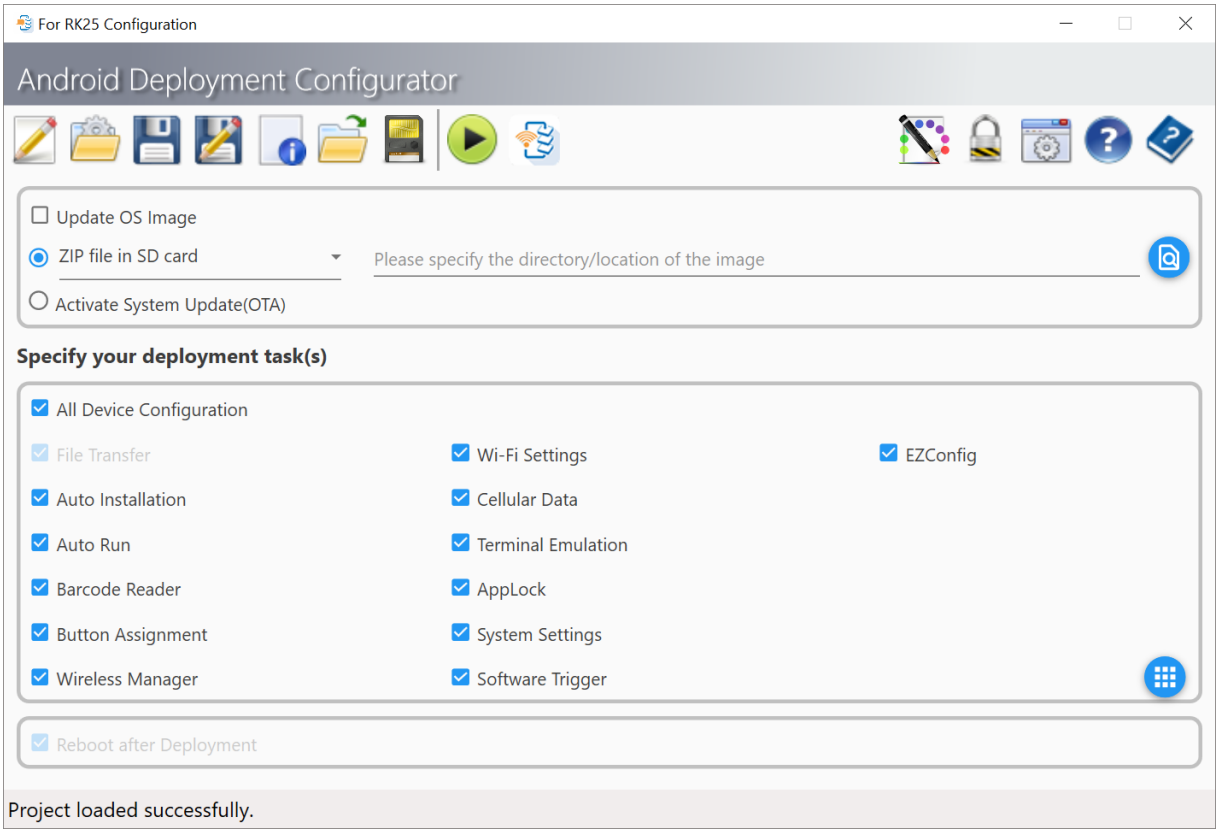
After starting this program, you can load a saved project to make modifications to it. The projects are saved in the designated folder whose default path is *c:\CipherLab\ADC*.

1) From the startup dialog shown below, double-click on a project or select the project and then click on "***Open Project*** " if you already have some projects.

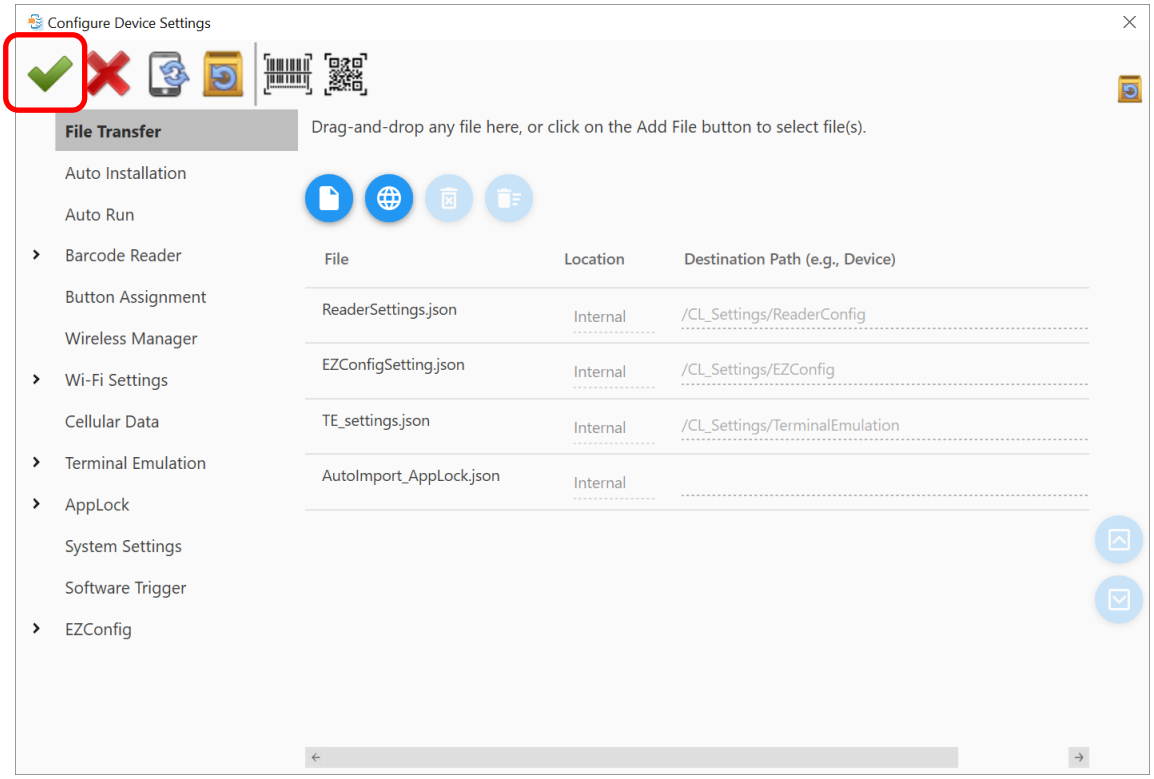


Item	Description
	**Open Project:** Select a project and click on "Open Project" to open it.
	**Cancel:** Directly close the window without opening any existing project.
	**New Project:** To open the "New Project" window to create a new project.
	**Copy to SD card:** Save the selected project to the USB stick connected to your PC.

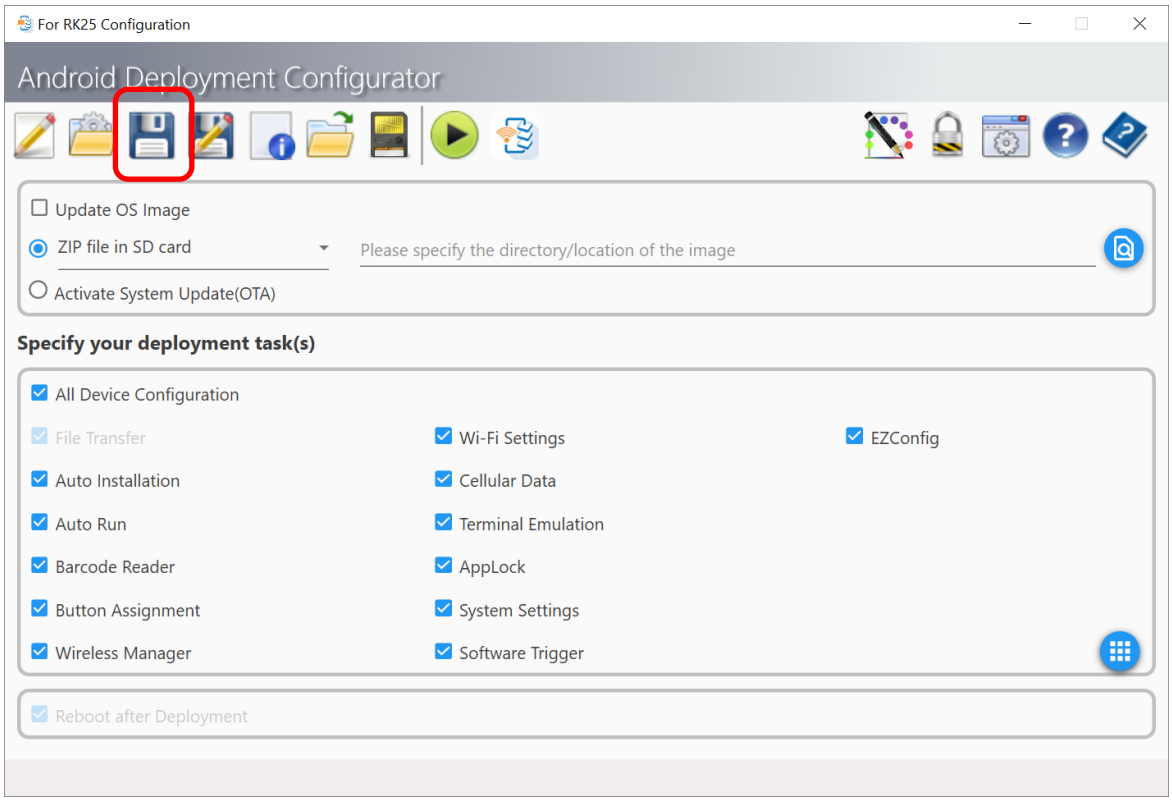
2) On Main screen, check the configuration types you are about to modify and click on "***Configure…*** "



3) On ***Configure Device Settings*** screen, modify device configuration. See Customize Project Configurations for details. When you finish setting, click on "***Apply*** ✔" to save the settings and return to Main Screen.



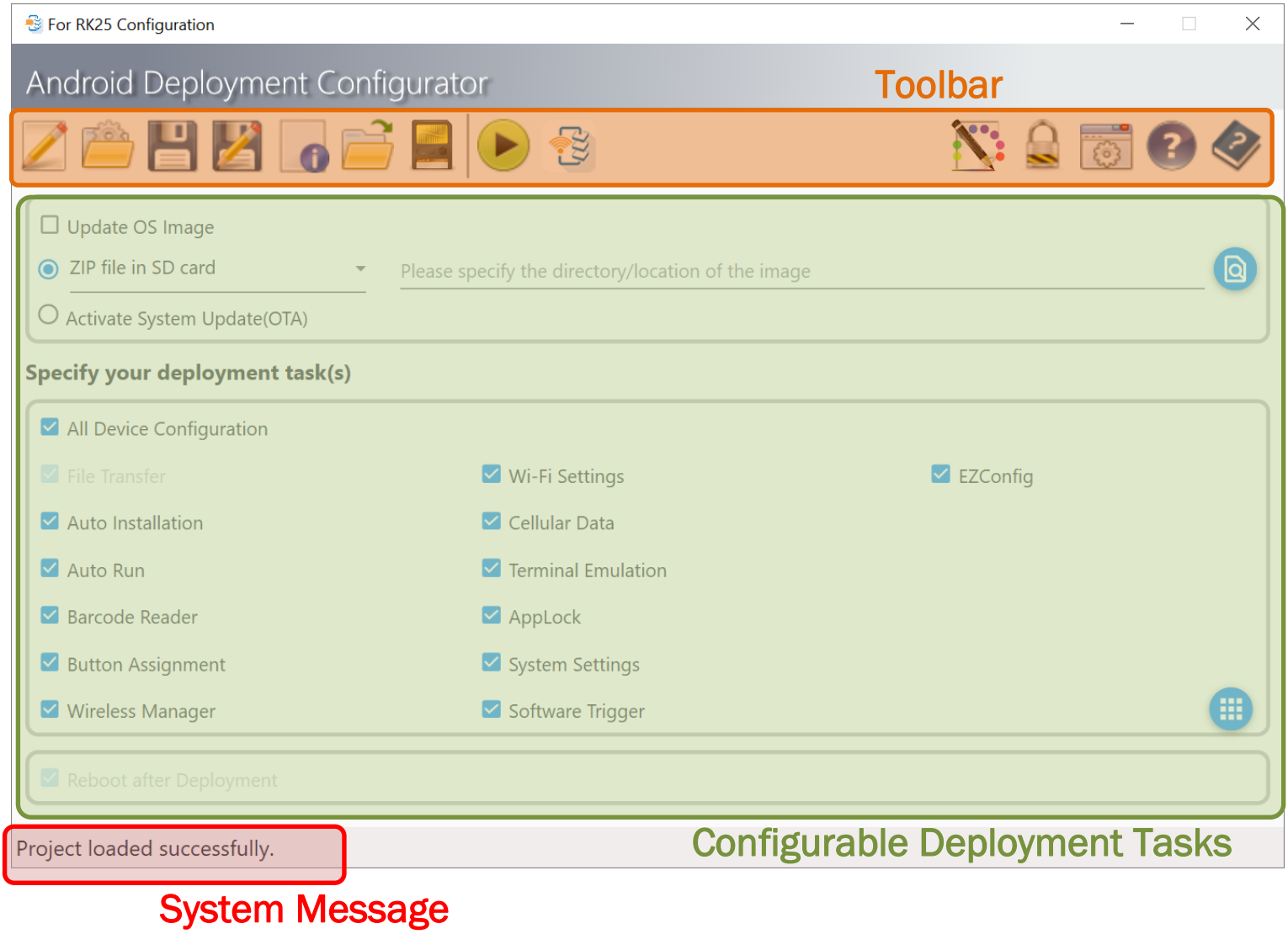
4) On Main Screen, click on "***Save Project***" to save the project.



1.5 MAIN SCREEN

After the Startup dialog, you will enter ***Main Screen***.

As the figure below, "Main Screen" is devided into 3 parts: Toolbar, Configurable Deployment Tasks, and System Message.



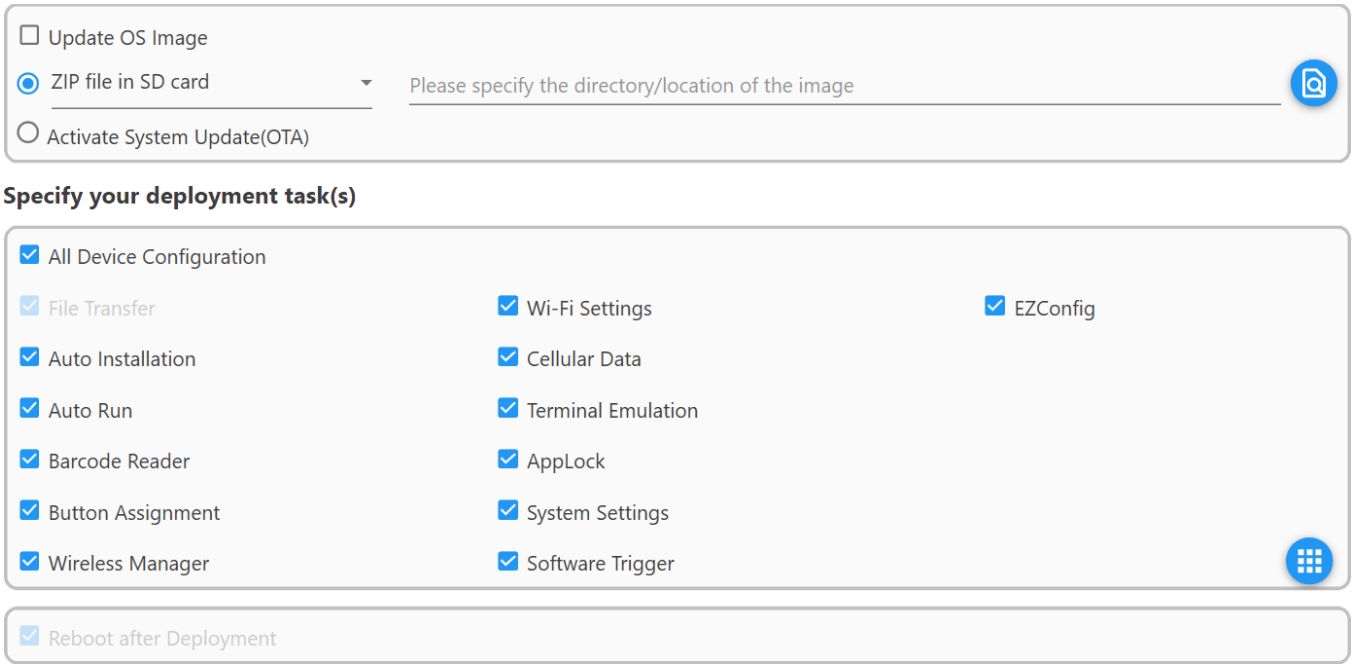
STATUS BAR & MESSAGES

The status bar at the bottom gives information or feedback after you take an action. Certain critical messages will also show in a pop-up window to catch your attention. If you want to adjust status bar messages timeout or turn off the pop-up messages, see Preferences .

TOOLBAR

Button	Description
 **New Project**	Click to create a new project
 **Open Project**	Click to open an existing project
 **Save Project**	Click to save your current project
 **Save Project As**	Click to save your current project to a different project name
 **Project Information**	Click to view information about the current project
 **Open ADC Folder**	Click to open the project folder. You may view, delete or duplicate project files. By default, all projects are saved in ***C:\CipherLab\ADC***, which can be modified in Preferences
 **Save to SD Card**	Copy a project to an SD card, and you can deploy the project to a device with this card. Please insert an SD card into a card reader and connect it to your PC in advance.
 **Deploy**	Save and deploy the current project to the connected device via USB connection
 **Launch WMDS**	This icon will appear once WMDS server is already installed on the same computer as ADC program. Click on it to launch **WMDS** program.
 **Palette**	To change the color of ADC background, icons, and borders.
 **Security**	Click to change security settings if necessary
 **Preferences**	Click to change preferences if necessary
 **Help**	Click to access either the Help contents or the About information
 **Help Contents**	To open the ADC User Guide.

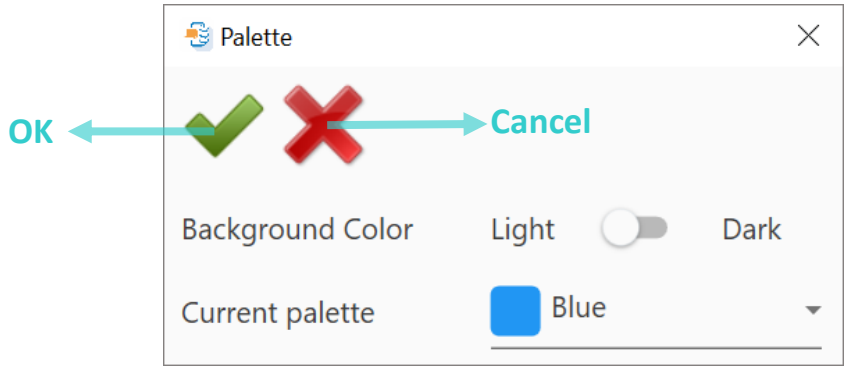
CONFIGURABLE DEPLOYMENT TASKS



Item	Description
Update OS Image: **Zip file in SD card** **or** **Zip file from URL**	To deploy a project to a device using SD card, remember to check this item and give the file path (*.zip file with ***sdupgrade*** in its file name). With the correct file path, the OS image will be stored onto the SD card after you click on "**Save current project to SD card**". Please make sure there is enough space on this SD card.
Activate System Update	Upon completion of deployment, the device will automatically check the latest OS image available over the Internet OS image. Please make sure the selected devices are connected to public Internet.
Specify your deployment task(s) All Device Configuration File Transfer Auto Installation Auto Run Barcode Reader Button Assignment Wireless Manager Wi-Fi Settings Cellular Data Terminal Emulation AppLock System Settings Software Trigger EZConfig	It is essential that you be careful with the selection made here, for once you check an item, its relevant settings will all be written to the devices; therefore, by checking "**All Device Configuration**", you will have all the default settings applied to selected devices.
Reboot after Deployment	Upon completion of deployment, the selected devices will automatically start rebooting process.

1.5.1. PALETTE

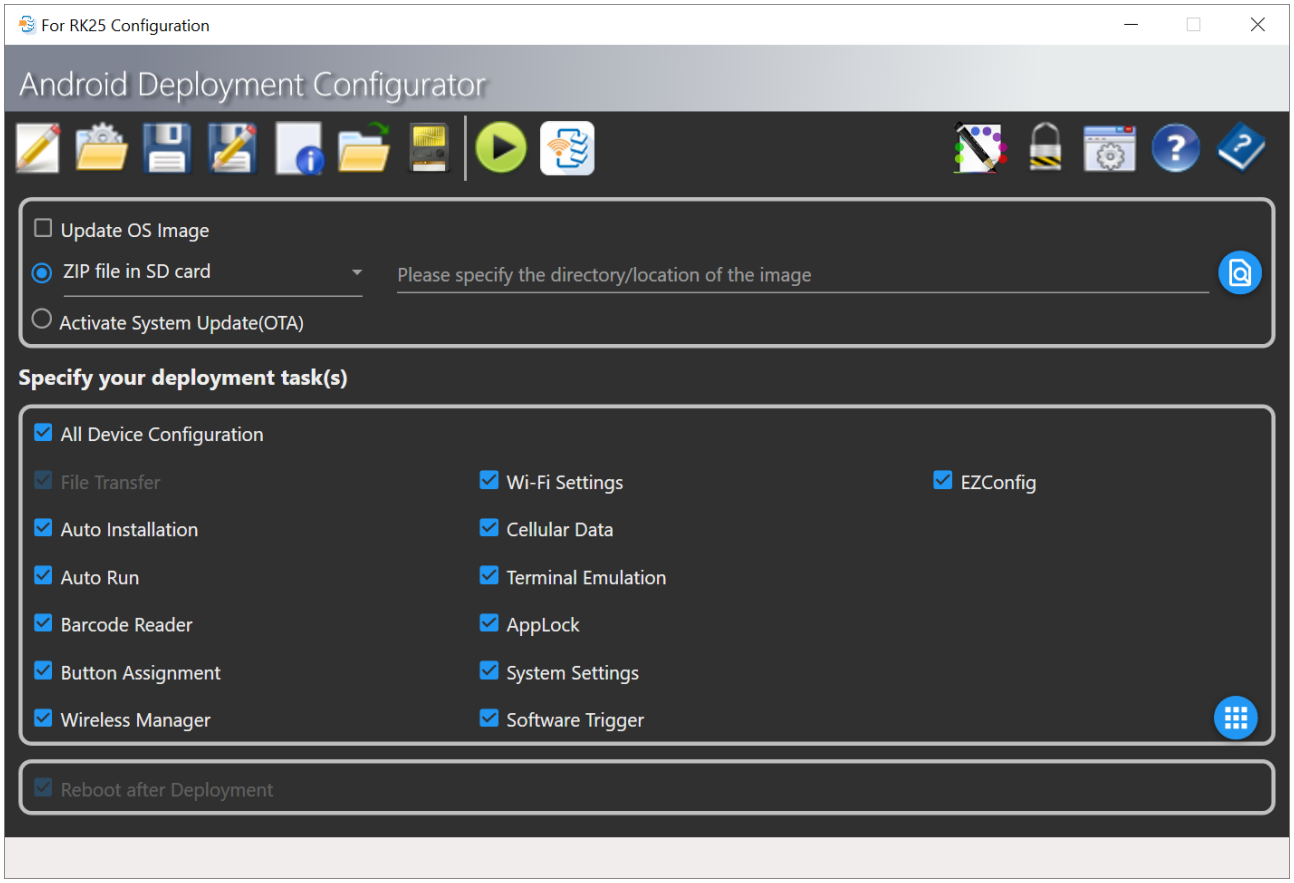
Palette is for user to customize the color of ADC user interface, including the background, the icons, and the borders.



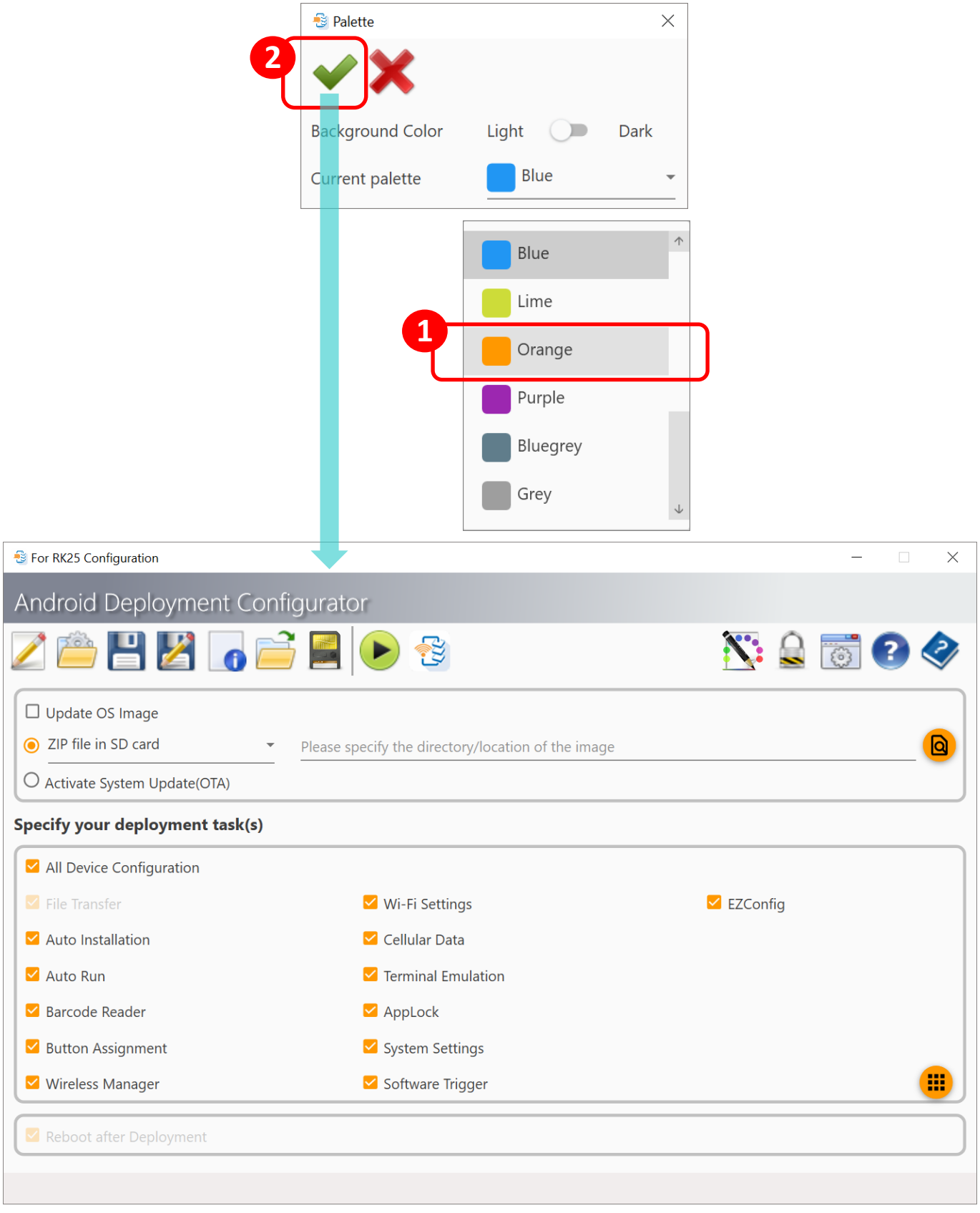
- **OK** – Click on "OK" to apply the user interface settings.

- **Cancel** – Click on "Cancel" to close the pop-up window without changing any settings.

- **Background Color** – Click to switch between **Light** and **Dark** to change the background color. The default setting is **Light**.



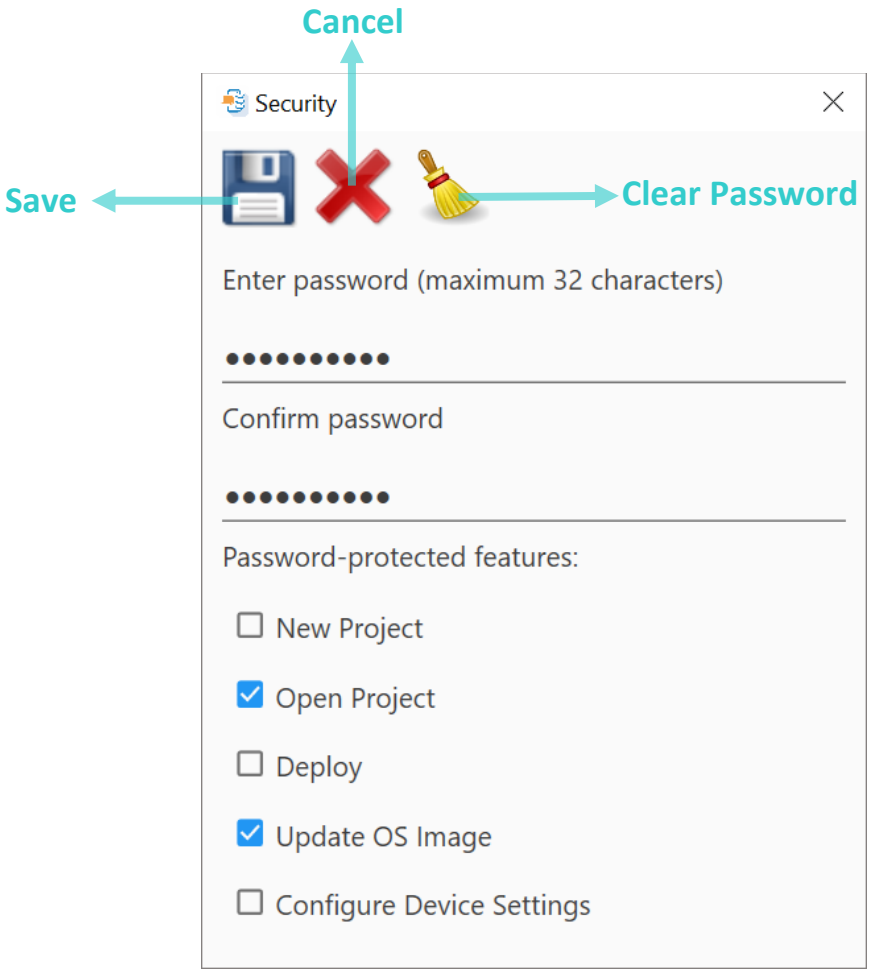
- **Current palette** – Select the color for the icons and borders from the drop-down menu. The default color is blue.



1.5.2. SECURITY

You can enable the password protection for certain features in this program.

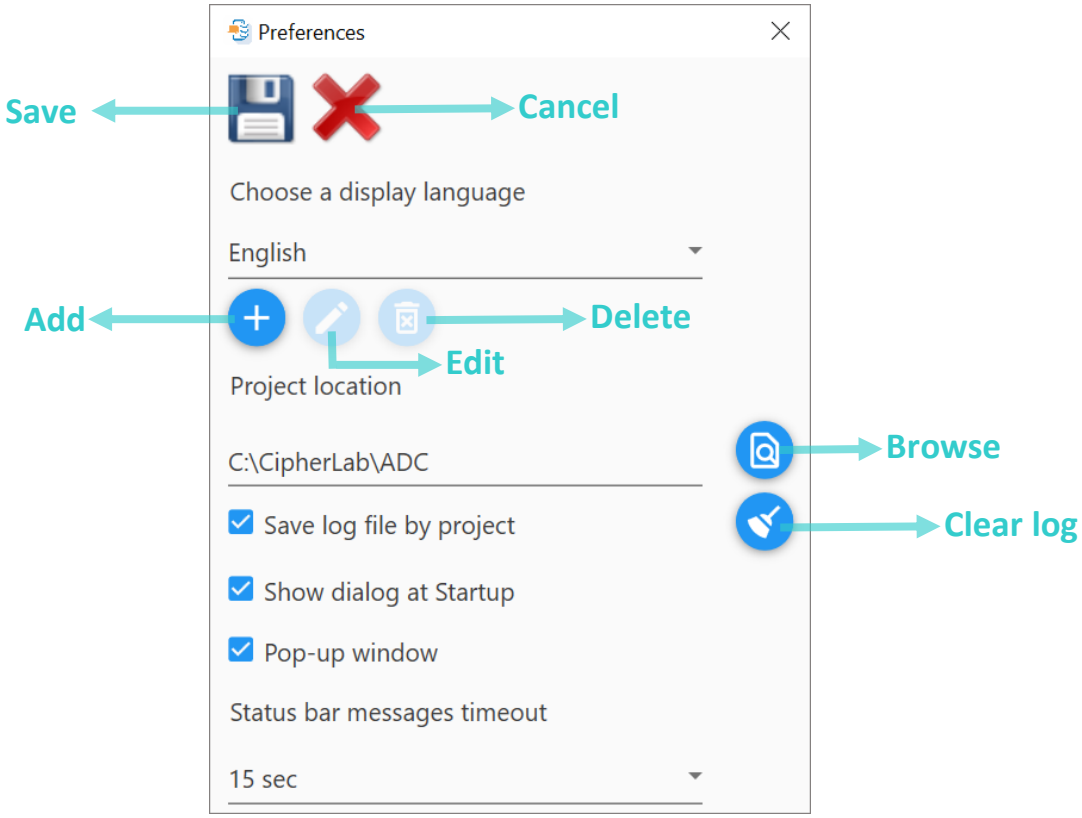
1) On Main Screen, click on "***Security*** "on the top right of Toolbar.
2) Enter and confirm your password if you want to enable password protection.
3) Click on "***Save*** " to save the setting. This setting will be immediately applied.



-  **Save** – Save the settings and close the pop-up window at the same time.
-  **Cancel** – Directly close the pop-up window without changing any settings.
-  **Clear Password** – Clear the field "**Enter password (maximun 32 characters)**" and "**Confirm passoord**".

1.5.3. PREFERENCES

On Main Screen, click on "***Preferences*** "on the top right of ***Toolbar***.



Item	Description
Choose a display language	Choose a display language other than the default English if necessary. You may click "**Add**" to create your own language or "**Edit**" to customize wordings. See Multi-language Support .
Project location	Change your project location if necessary.
Save log file by project	Decide whether to have logs saved (in ADC program folder) while working on your project. You may click "**Clear log**" to clear all log files if necessary.
Show dialog at Startup	Decide whether to show the following dialog when ADC starts. You may de-select the checkbox right inside the dialog or in Preferences.
Pop-up window	Decide whether to show the status message on the pop-up window.
Status bar messages timeout	Adjust status bar messages timeout if necessary. See Status Bar & Messages.

MANAGE PROJECTS

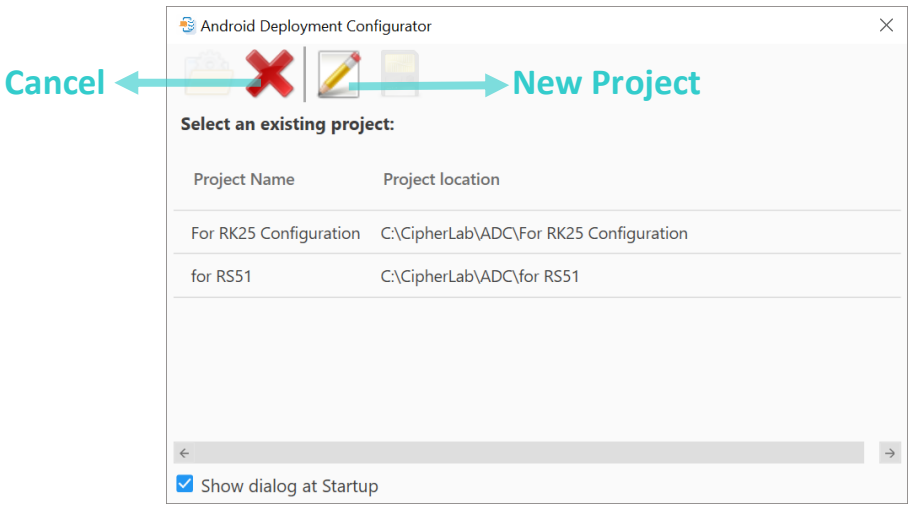
Click on "**Open Project** " on Toolbar to open the project folder. You may view, delete or duplicate project files. By default, all projects are saved in the path *C:\CipherLab\ADC*, which can be modified in Preferences.

IN THIS CHAPTER

2.1 Create a Project 28
2.2 Open a Project 29
2.3 Delete a Project 30
2.4 Duplicate a Project 31
2.5 View Project Info 32
2.6 Customize Project Configurations 33
2.7 Deploy All Settings to Devices 88

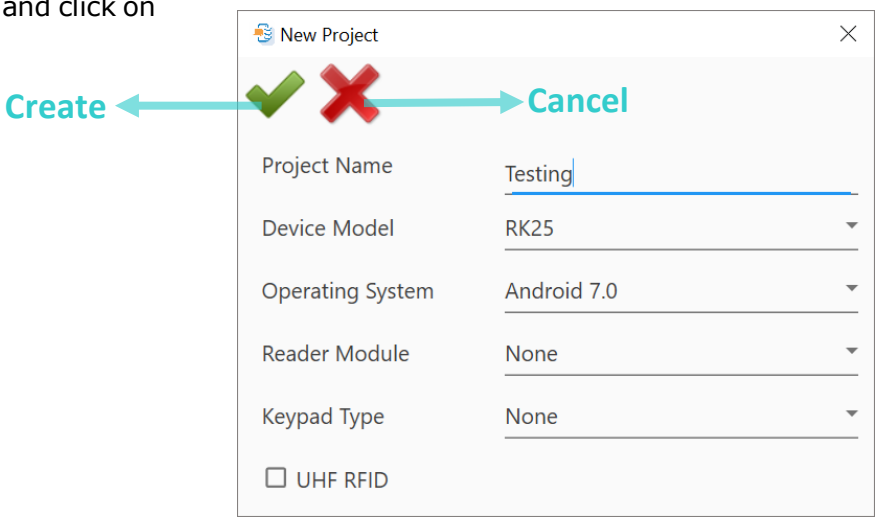
2.1 CREATE A PROJECT

1) From the startup dialog, click on "***New Project*** " to create a project.



2) If the startup dialog has been dismissed, click on "***New Project*** " on Toolbar. Define the scope of your project and click on "***Create*** ✔".

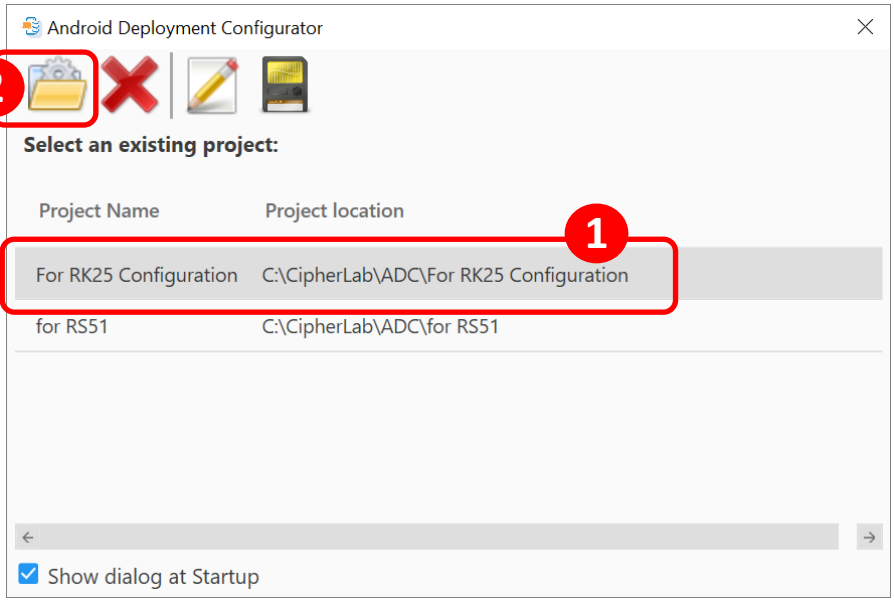




- **Project Name** – Enter a name to identify your project.
- **Device Model** – Specify which model will be used in the project.
- **Operation System** – Specify which operating system the model is running.
- **Reader Module** – Specify which barcode reader module is equipped on your device.
- **Keypad Type** – Specify which type of keypad is equipped on your device.
- **UHF RFID** – Select whether to configure the settings of the application EZConig which is for CipheLab RK25 mobile computer to works with RK25 UHF RFID Reader to read RFID tags.

2.2 OPEN A PROJECT

1) From the startup dialog, double-click on a project or select a project and click on "***Open*** " if you already have some projects.

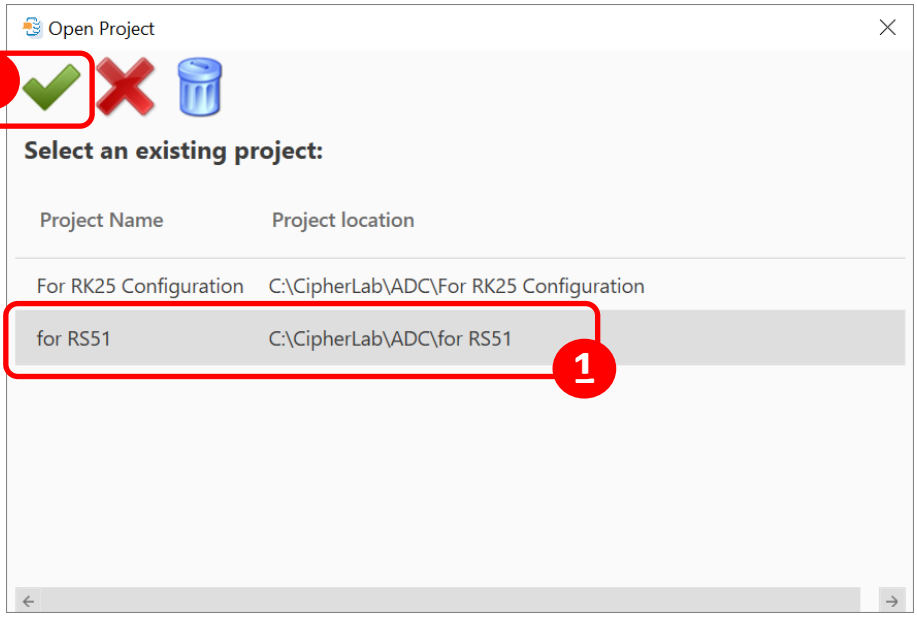


Item	Description
	**Open Project:** Select a project and click on "Open Project" to open it.
	**Cancel:** Directly close the window without opening any existing project.
	**New Project:** To open the "New Project" window to create a new project.
	**Copy to SD card:** Save the selected project to the USB stick connected to your PC.

2) If the startup dialog has been dismissed, click on "***Open Project*** " on Toolbar.



3) On the project list, double-click on the desired project or select the project and click on "***Open*** " to open it.

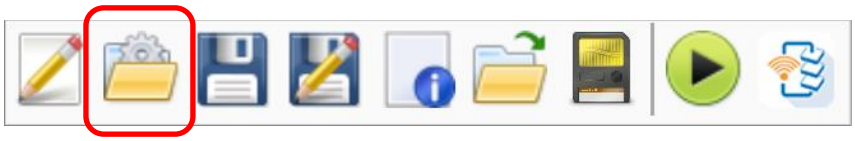


Item	Description
	**Open:** Open the selected project.
	**Cancel:** Directly close the window without opening any existing project.
	**Delete:** Delete the project.

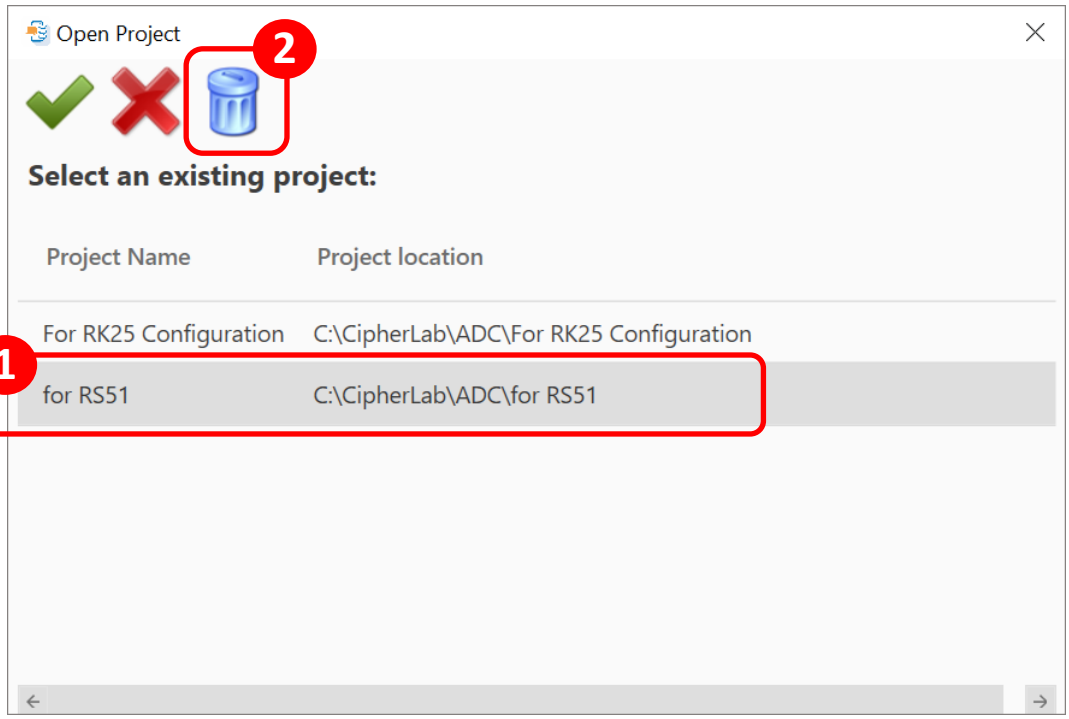
2.3 DELETE A PROJECT

If you want to delete an existing project, please:

1) Click on "***Open Project*** " on Toolbar.



2) Then, select the project from the project list and click on "***Delete*** ".



2.4 DUPLICATE A PROJECT

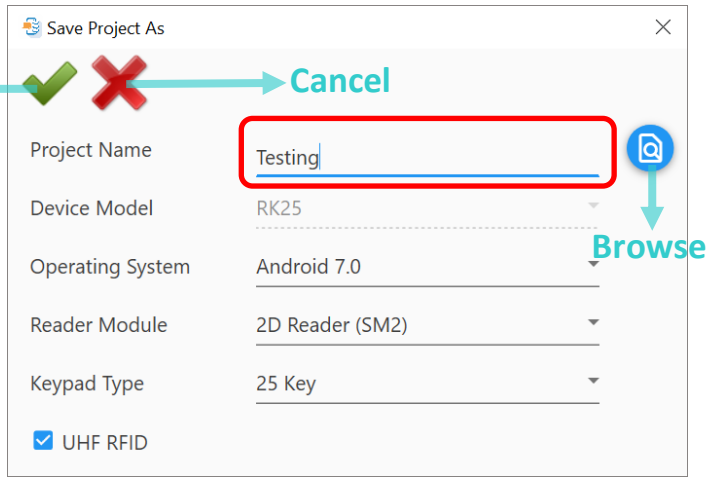
1) To duplicate an existing project, click on "***Open Project*** " on Toolbar.

2) Click on "***Save Project As*** "on ***Toolbar***.

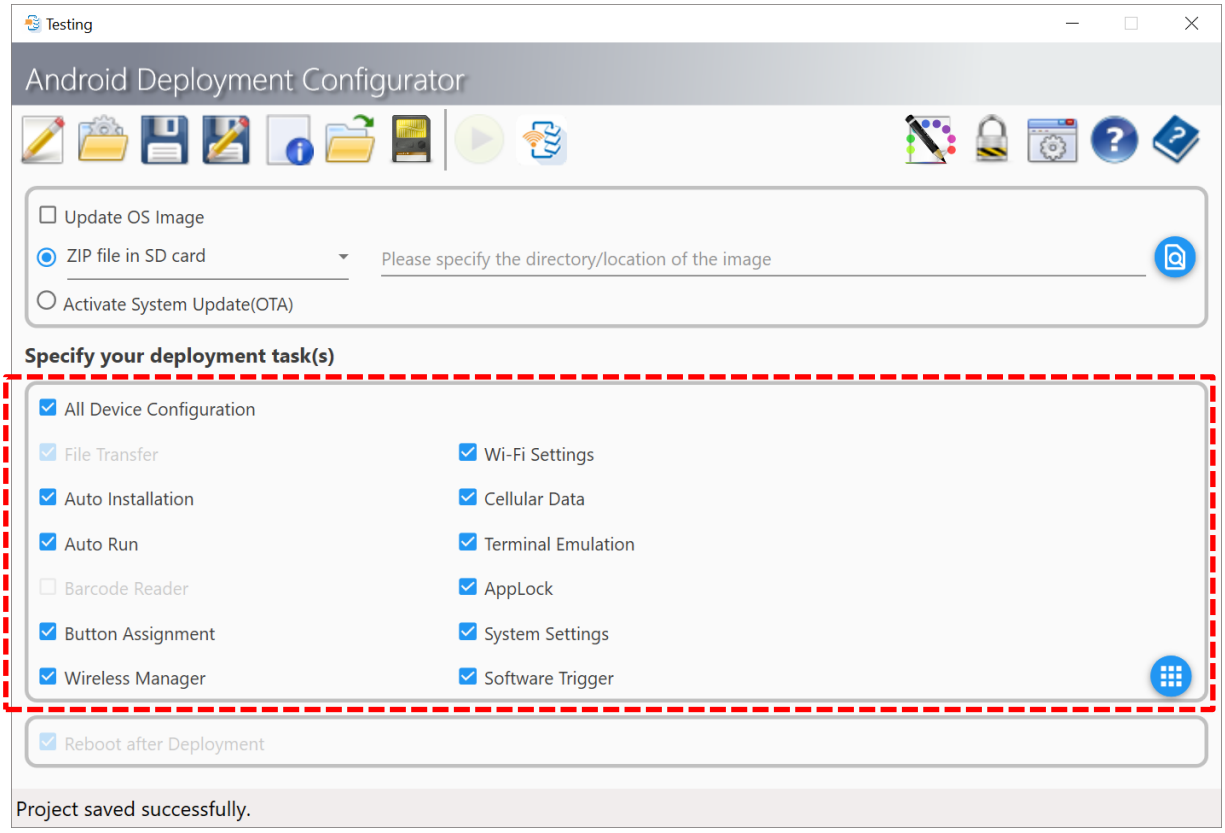


3) Change the project scope if necessary, and then save it to a different project name.

   Click on "***Save*** " after making changes to the project scope.



4) On Main Screen, modify the configuration settings and click on "***Save*** " on Toolbar to save this new project.



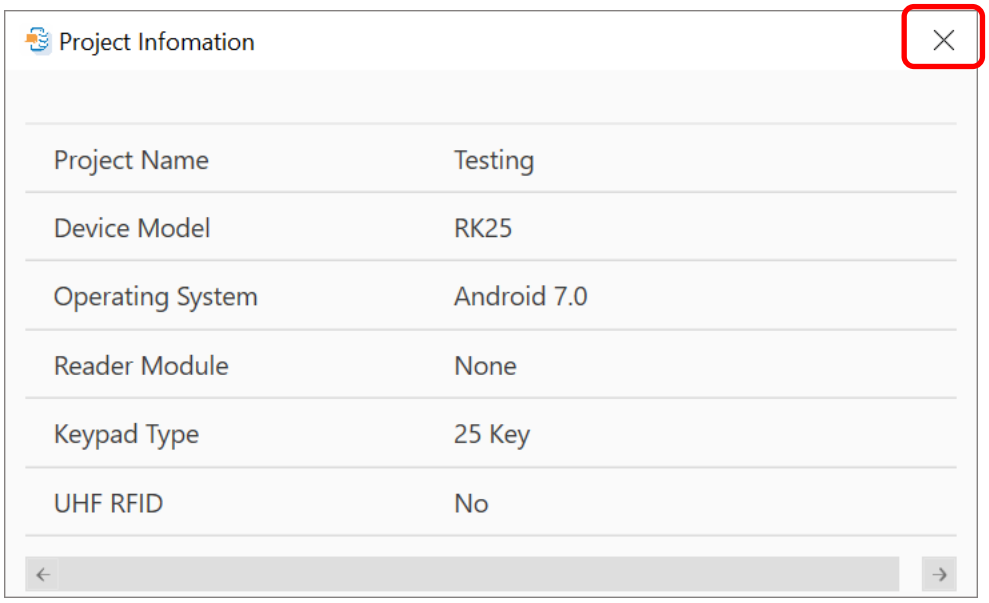
2.5 VIEW PROJECT INFO

If you want to view the summary of the current project, please:

1) Click on "***Project Information*** " on Toolbar.

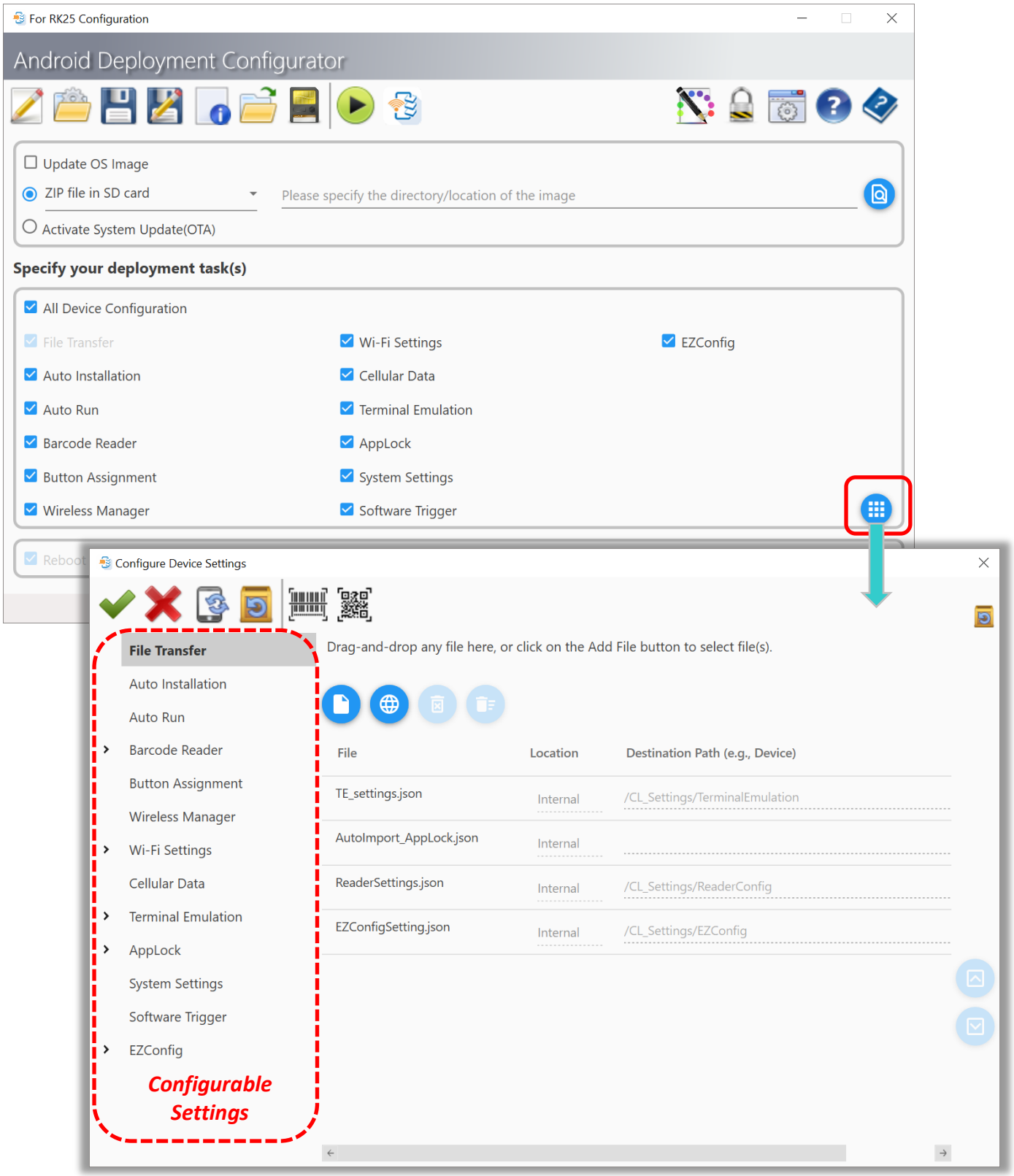


2) A Project Information window will pop up. You can click on "**X**" to close it.



2.6 CUSTOMIZE PROJECT CONFIGURATIONS

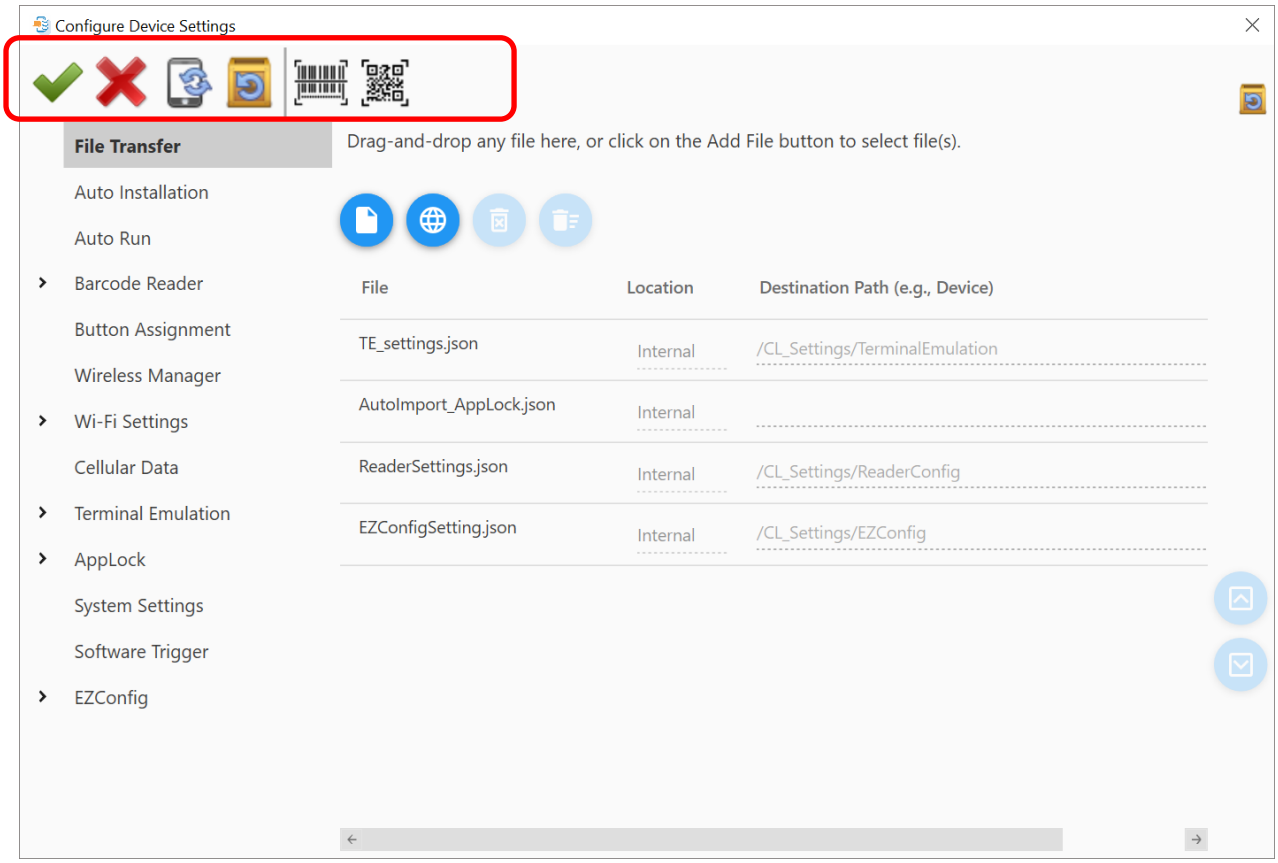
Before going into detailed settings of the project configurations, please read carefully through this chapter. In ***Specify your deployment task(s)*** area, click on "***Configure…***"



2.6.1. CONFIGURABLE SETTINGS

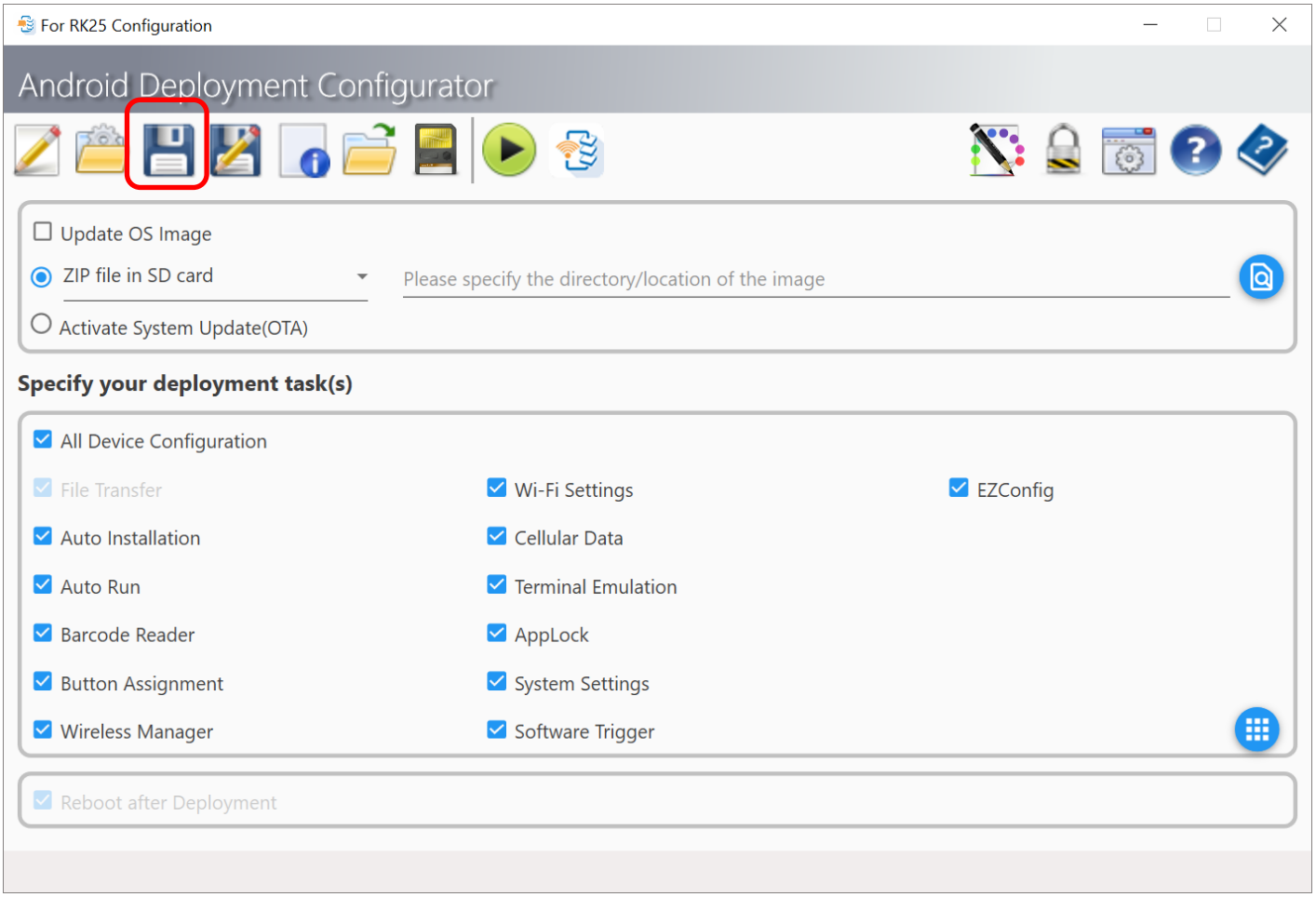
Item	Description
All Device Configuration	Click to select or deselect all device settings
File Transfer	When the check box is selected with files specified in the configuration, the files will be copied to device while deploying.
Auto Installation	When the check box is selected with install files (.APK) specified in the configuration, the files will be copied to device while deploying and programs will be installed automatically upon completion of deployment.
Auto Run	When the check box is selected with executable files specified in the configuration, the programs will be executed automatically when the device restarts.
Barcode Reader	When the check box is selected with changes made to its configuration, the Barcode Reader settings will be updated to device while deploying. (When you select the Barcode Reader Settings task, it will have the File Transfer task selected as well.)
Button Assignment	When the check box is selected with changes made to its configuration, the Button Assignment settings will be updated to device while deploying.
Wireless Manager	When the check box is selected with changes made to its configuration, the Wireless Manager settings will be updated to device while deploying.
Wi-Fi Settings	When the check box is selected with changes made to its configuration, the Wi-Fi settings will be updated to device while deploying.
Cellular Data	When the check box is selected with changes made to its configuration, the cellular data settings will be updated to device while deploying.
Terminal Emulation	When the check box is selected with changes made to its configuration, the Terminal Emulation settings will be updated to device, via file transfer, while deploying. (When you select the Terminal Emulation Settings task, it will have the File Transfer task selected as well.)
AppLock	When the check box is selected with changes made to its configuration, the AppLock settings will be updated to device, via file transfer, while deploying. (When you select the AppLock Settings task, it will have the File Transfer task selected as well.)
System Settings	When the check box is selected with changes made to its configuration, the System Settings will be updated to device while deploying.
Software Trigger	When the check box is selected with changes made to its configuration, the Software Trigger settings will be updated to device while deploying.
EZConfig	When the check box is selected with changes made to its configuration, the EZConfig settings will be updated to device, via file transfer, while deploying. (When you select the EZConfig Settings task, it will have the File Transfer task selected as well.)

On ***Configure Device Settings*** window, the buttons on the toolbar deliver the functions as below:



Item	Description
	**Apply:** To save the settings and close the **Configure Device Settings** window. Always remember to click on **Apply** before you close the **Configure Device Settings** window.
	**Cancel:** Directly close the **Configure Device Settings** window without saving any settings.
	**Synchronize with all settings with Device:** Instead of working on the device configurations from scratch, you may fetch the current configurations from device by connecting your device to PC via USB connection and clicking on "Synchronize with all settings with Device".
	**Reset all settings to default:** You may also click on "Reset all settings to default" to reset ALL settings if necessary. Please note that, for this synchronization to be carried out successfully, make sure the USB debugging mode on your device is already enabled (refer to How Do I Enable Debugging Mode on My Device?).
	**Create 1D barcode:** To export and generate the settings as 1D barcodes for your mobile computers to apply the configurations by scanning the barcodes.
	**Create 2D barcode:** To export and generate the settings as 2D barcodes for your mobile computers to apply the configurations by scanning the barcodes.

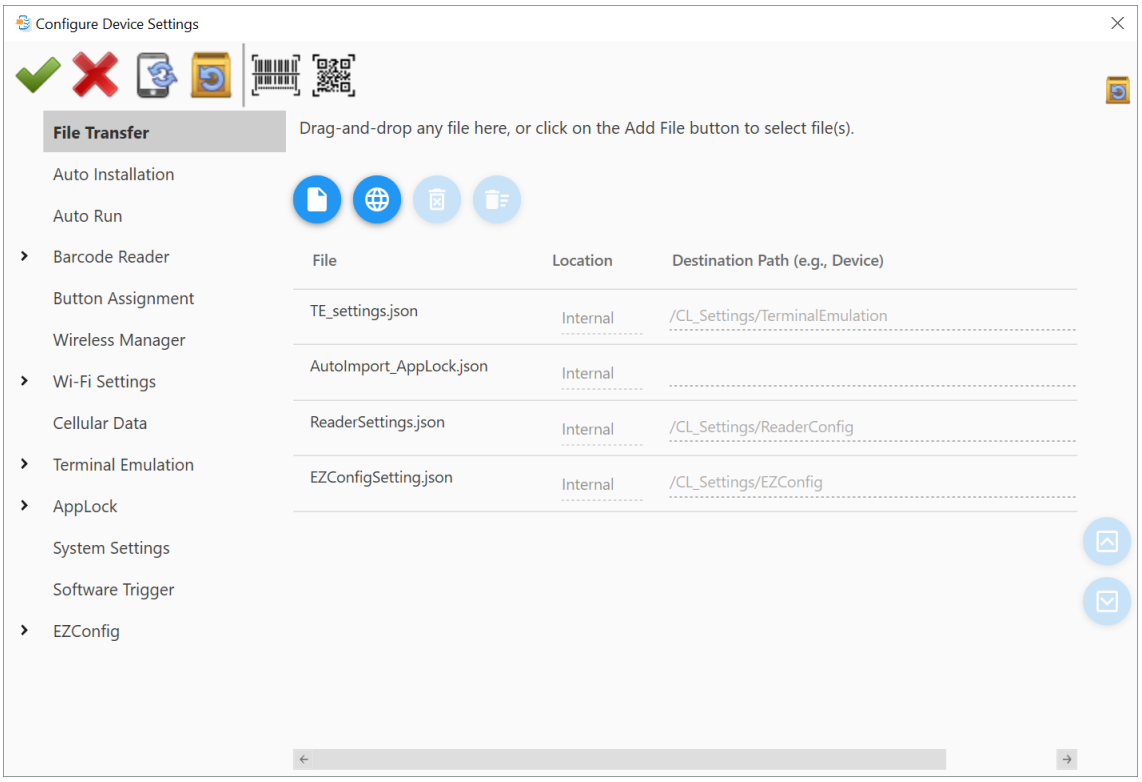
After completing configuring the settings details and returning to Main Screen, remember to click "***Save Project*** " before exiting this program.



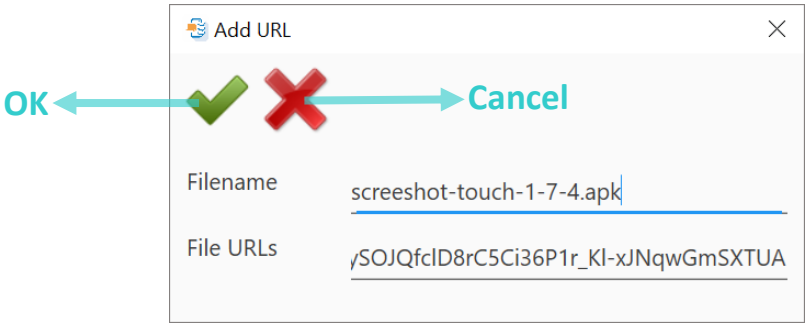
2.6.2. FILE TRANSFER

The specified files will be copied to device while deploying.

1) Drag-and-drop any file(s) to the file list or click "***Add File..***" to browse your computer to locate the file.

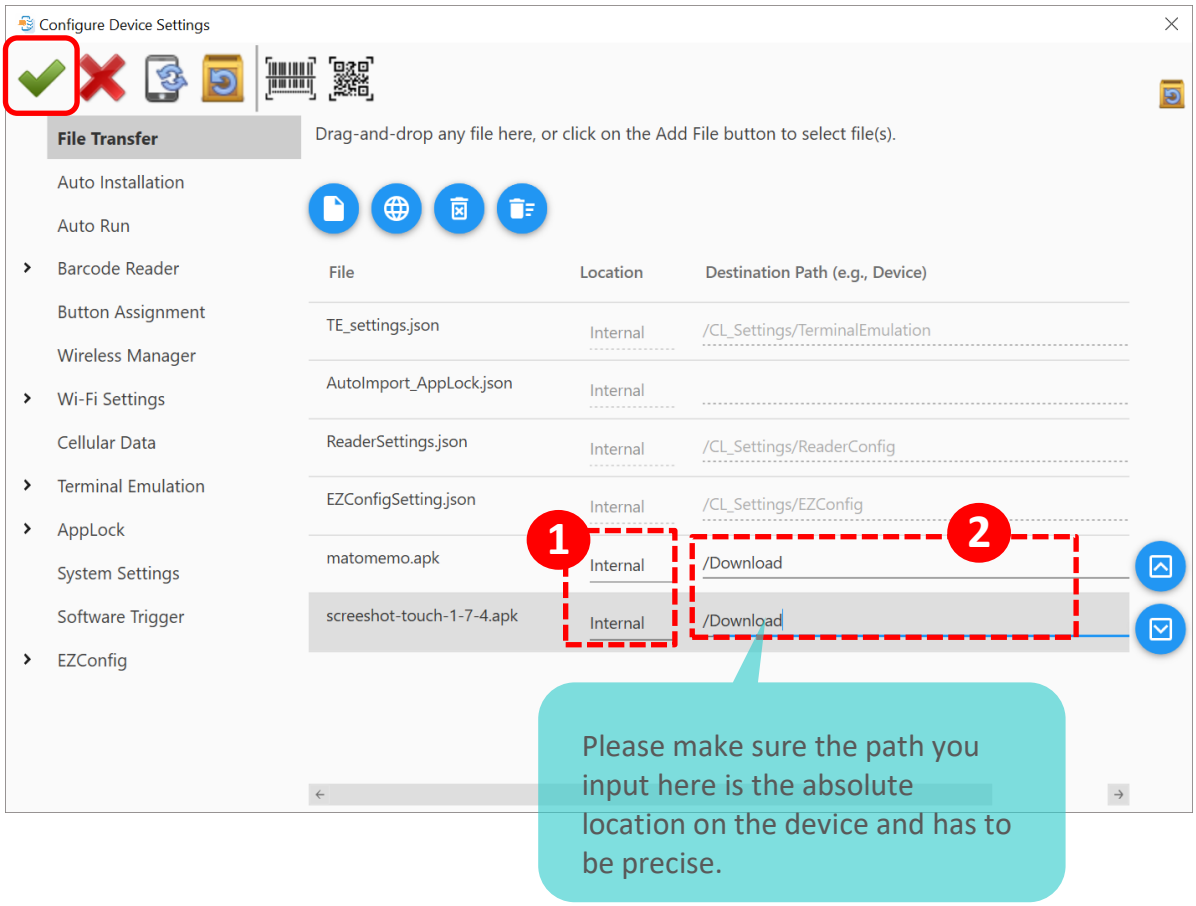


- **Add File..** – Add the file which is saved in your PC.
- **Add URL** – Add the file from the internet by enter the filename and its link location.



- **Delete** – Delete the selected item.
- **Delete All**– Delete all the removable items.

2) Click on the **Location** field to choose between the device internal storage or SD card and then the **Destination Path** field to fill in the path to where the file shall be located. Please make sure the path you manually input is valid.



- – Move the selected item up.
- – Move the selected item down.

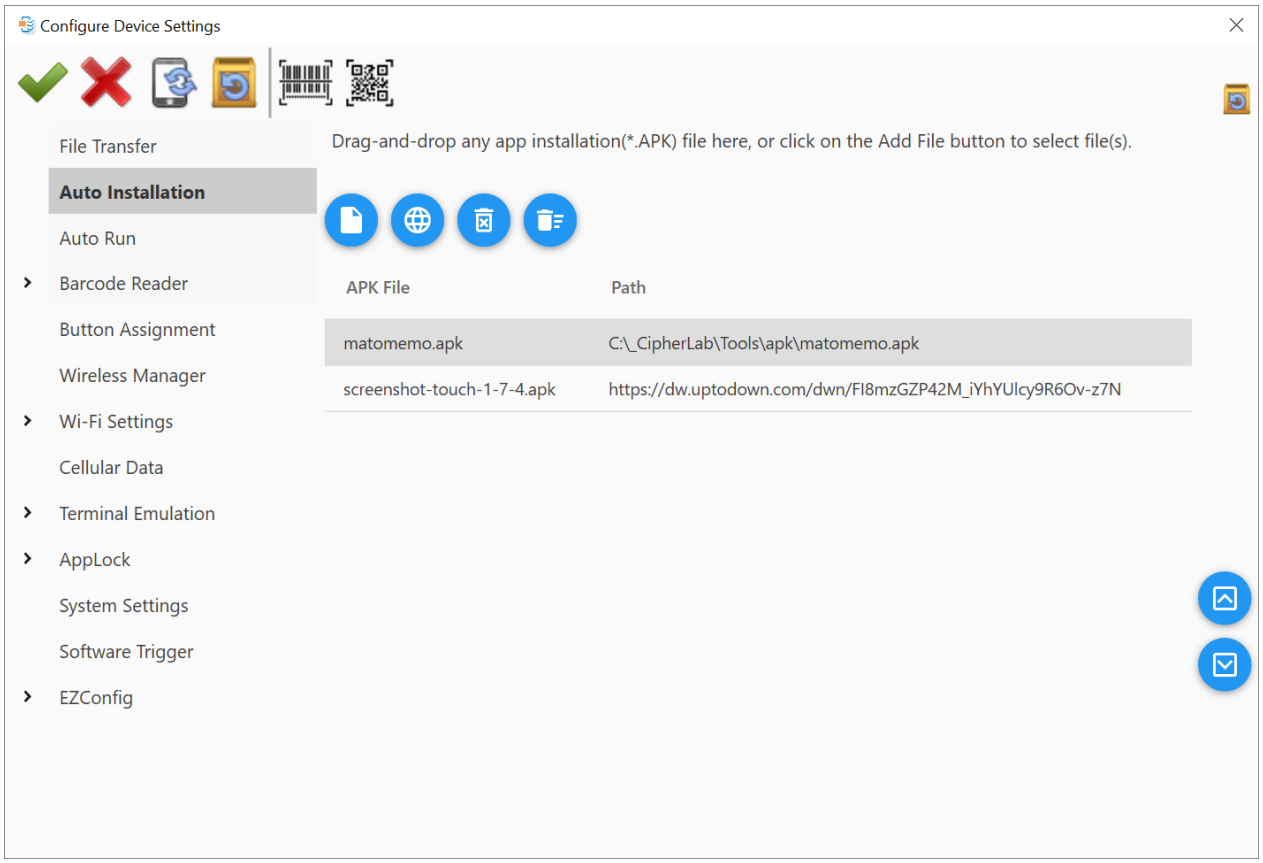
3) Click on **Apply** before you close the Configure Device Settings window.

2.6.3. AUTO INSTALLATION

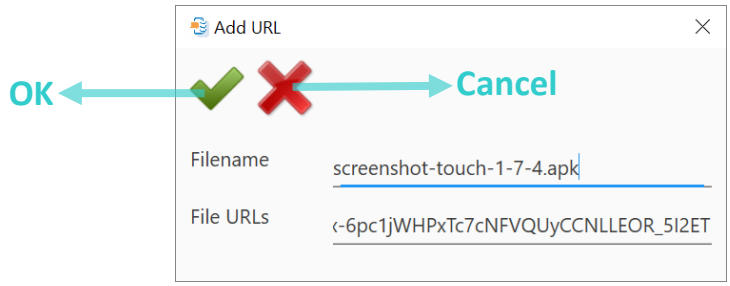
With this configuration, the specified files will be copied to device while deploying and the programs will be automatically installed upon completion of deployment.

Before an auto installation takes place on the device, please make sure to exit all the running programs. Otherwise, your programs may not function correctly.

1) Drag-and-drop any file(s) to the file list or click ***Add*** button to browse your computer to locate the file.



- **Add File..** – Add the file which is saved in your PC.
- **Add URL** – Add the file from the internet by enter the filename and its link location.

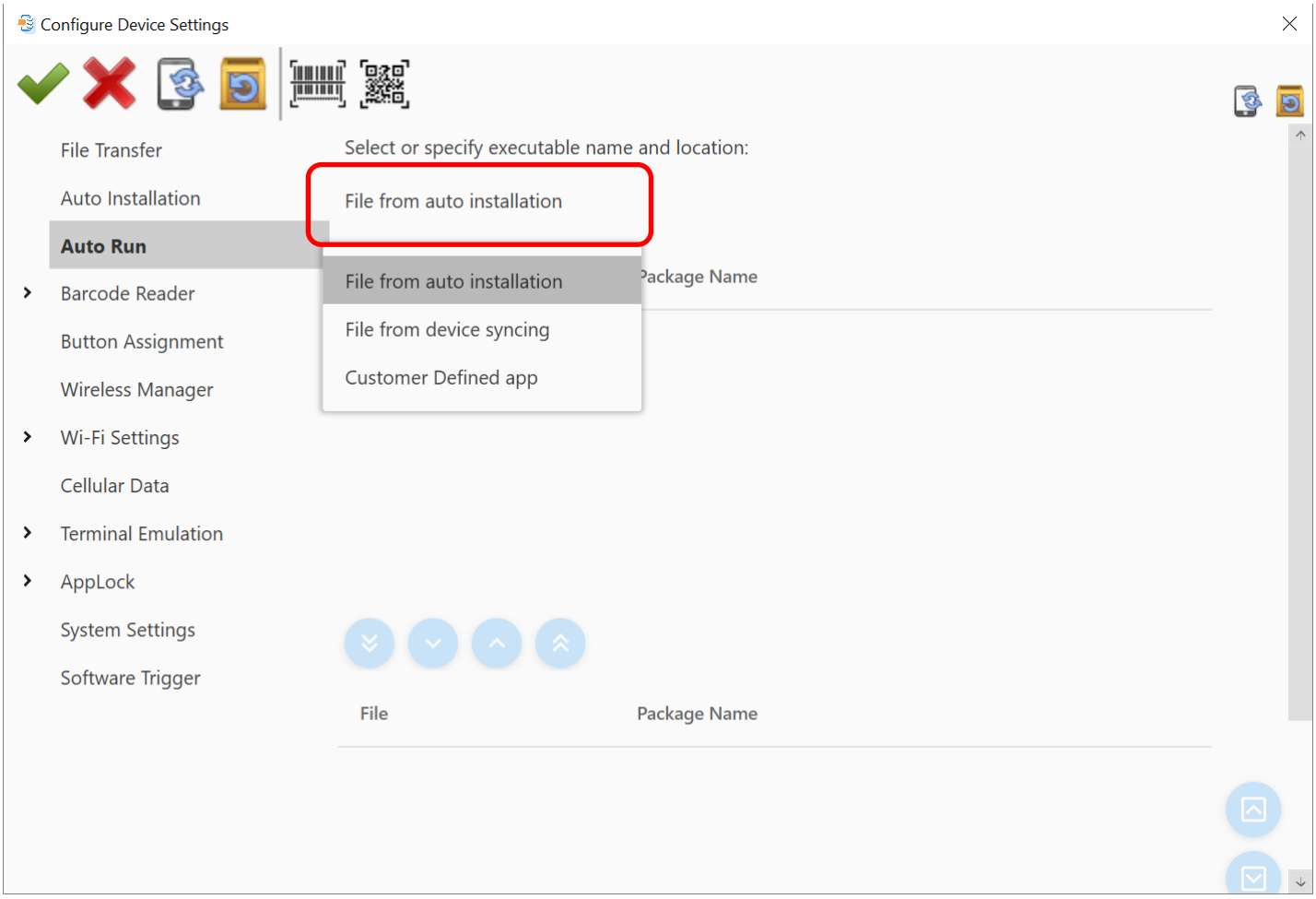


-  **Delete** – Delete the selected item.
-  **Delete All**– Delete all the items.
-  – Move the selected item up.
-  – Move the selected item down.

2) Click on ***Apply***  before you close the Configure Device Settings window.

2.6.4. AUTO RUN

With this configuration, the specified programs will be executed automatically when the device restarts. During deployment, the new Auto Run app lit will overwrite the previous one. Therefore, if you check "***Auto Run***" item on the ***Specify your deployment task(s)*** on Main screen, DO remember to configure the Auto Run app list here; otherwise, the previous Auto Run app list on your device will be overwritten by a blank list.



Please select the source of the application from the drop-down menu:

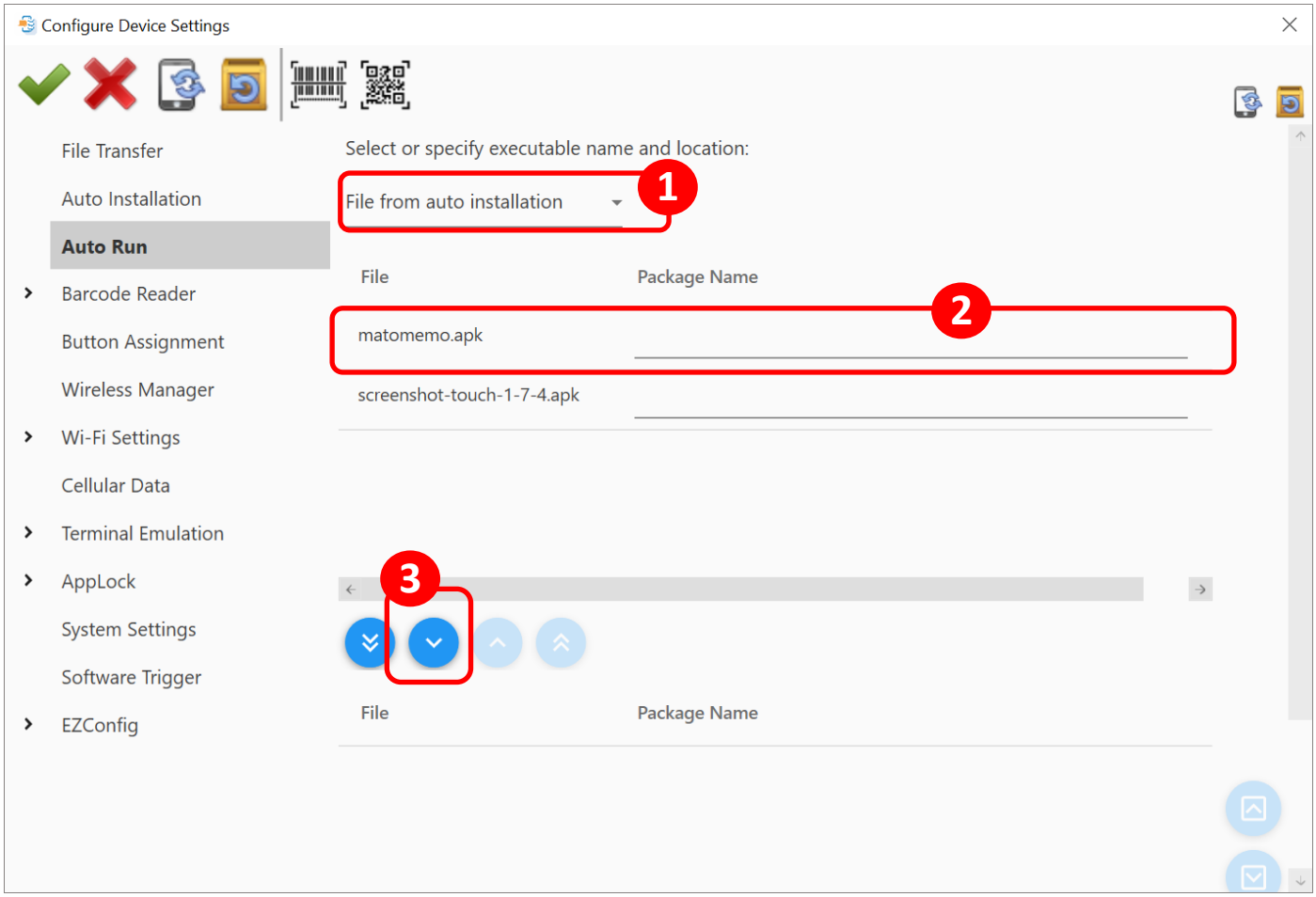
(a) File from auto installation

(b) File from device syncing

(c) Customer Defined app

FILE FROM AUTO INSTALLATION

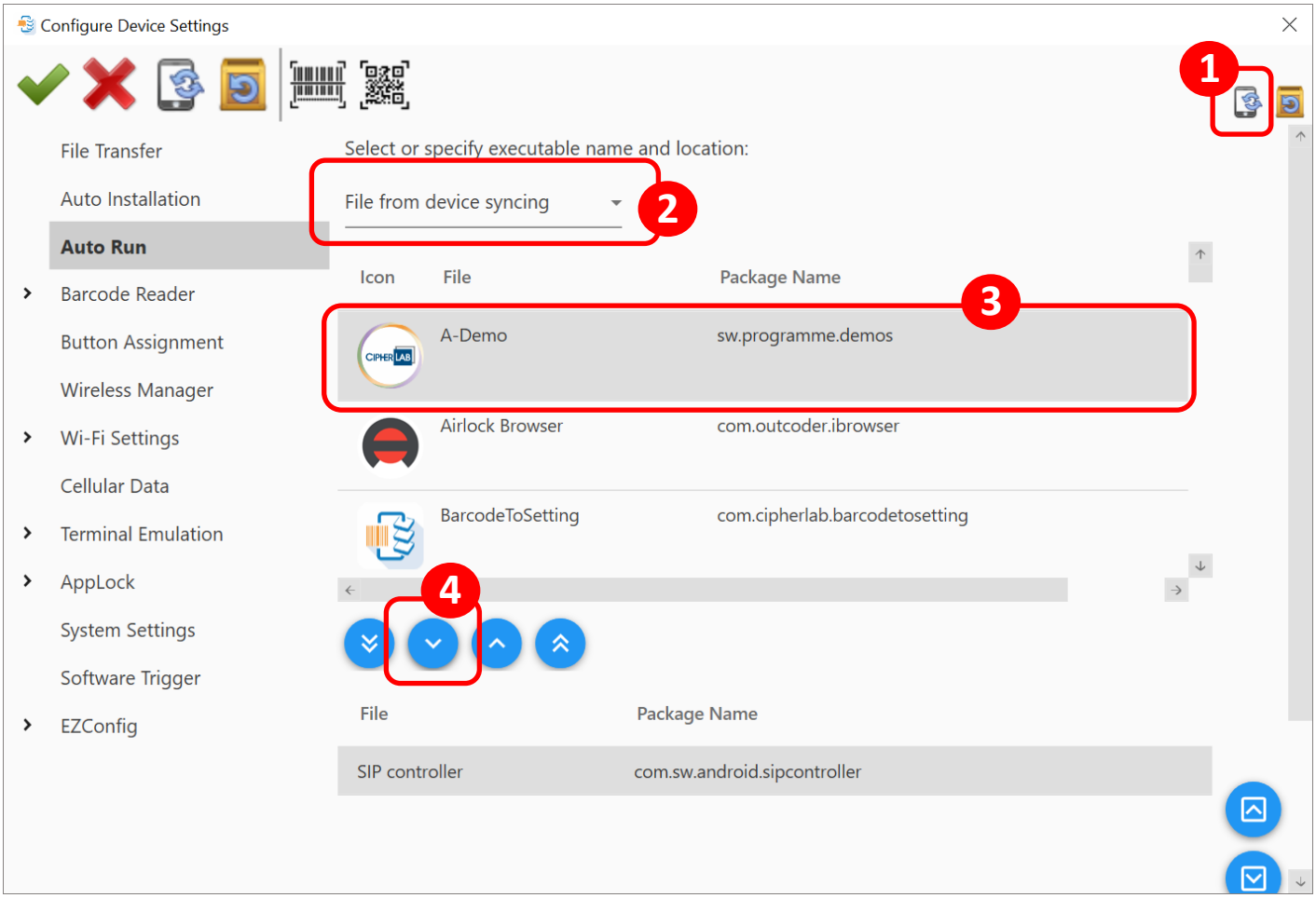
If the source is "**File from Auto Installation**" and the source list is blank, you must configure Auto Installation first. Click on an entry and fill in the package name (please acquire the package name from the application developer). Once you finish, select the File name and click the **Move Down** button.



- – Move all the files (on the **Auto Installation** list) down (to the **Auto Run** list).
- – Move the selected file (on the **Auto Installation** list) down (to the **Auto Run** list).
- – Remove the selected file (from the **Auto Run** list).
- – Remove all the files file (from the **Auto Run** list).

FILE FROM DEVICE SYNCING

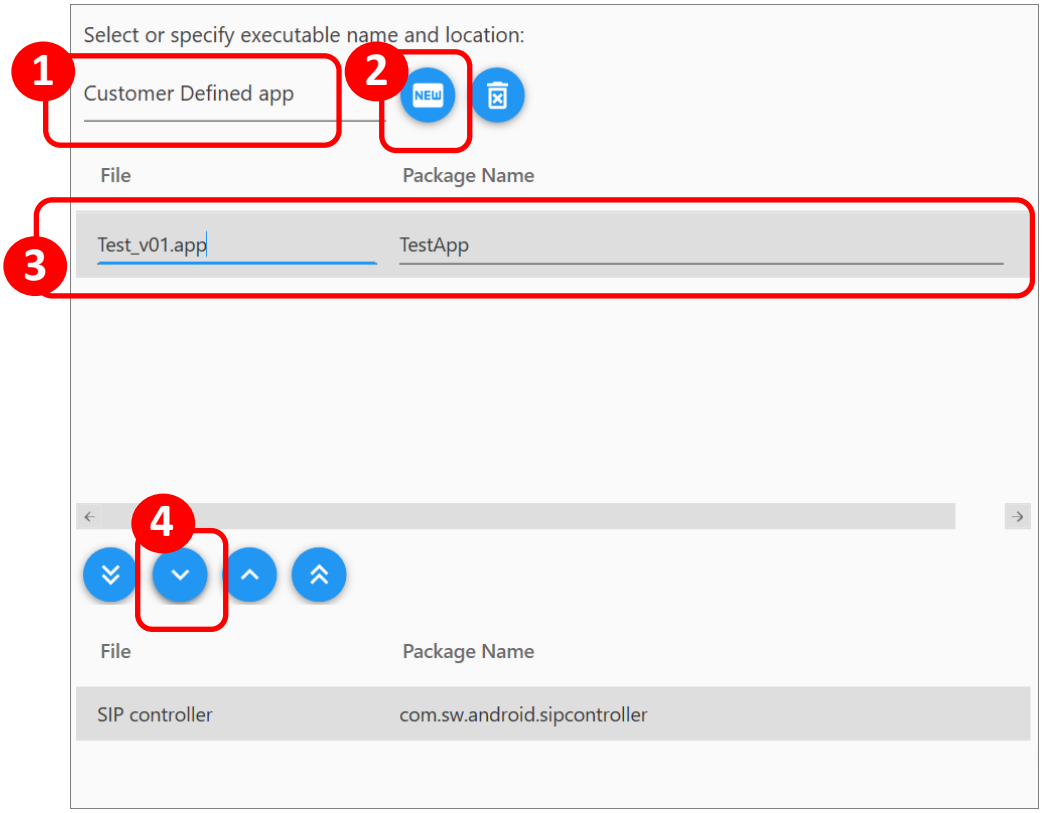
If your source is "***File from device syncing***" and the source list is blank, you must click on  to sync with your device first. The small ***Sync*** button on the right is to synchronize with device for available executable files. Once you finish, select the File name and click the ***Move Down***  button.



-  – Move all the files (on the **device syncing** list) down (to the **Auto Run** list).
-  – Move the selected file (on the **device syncing** list) down (to the **Auto Run** list).
-  – Remove the selected file (from the **Auto Run** list).
-  – Remove all the files file (from the **Auto Run** list).

CUSTOMER DEFINED APP

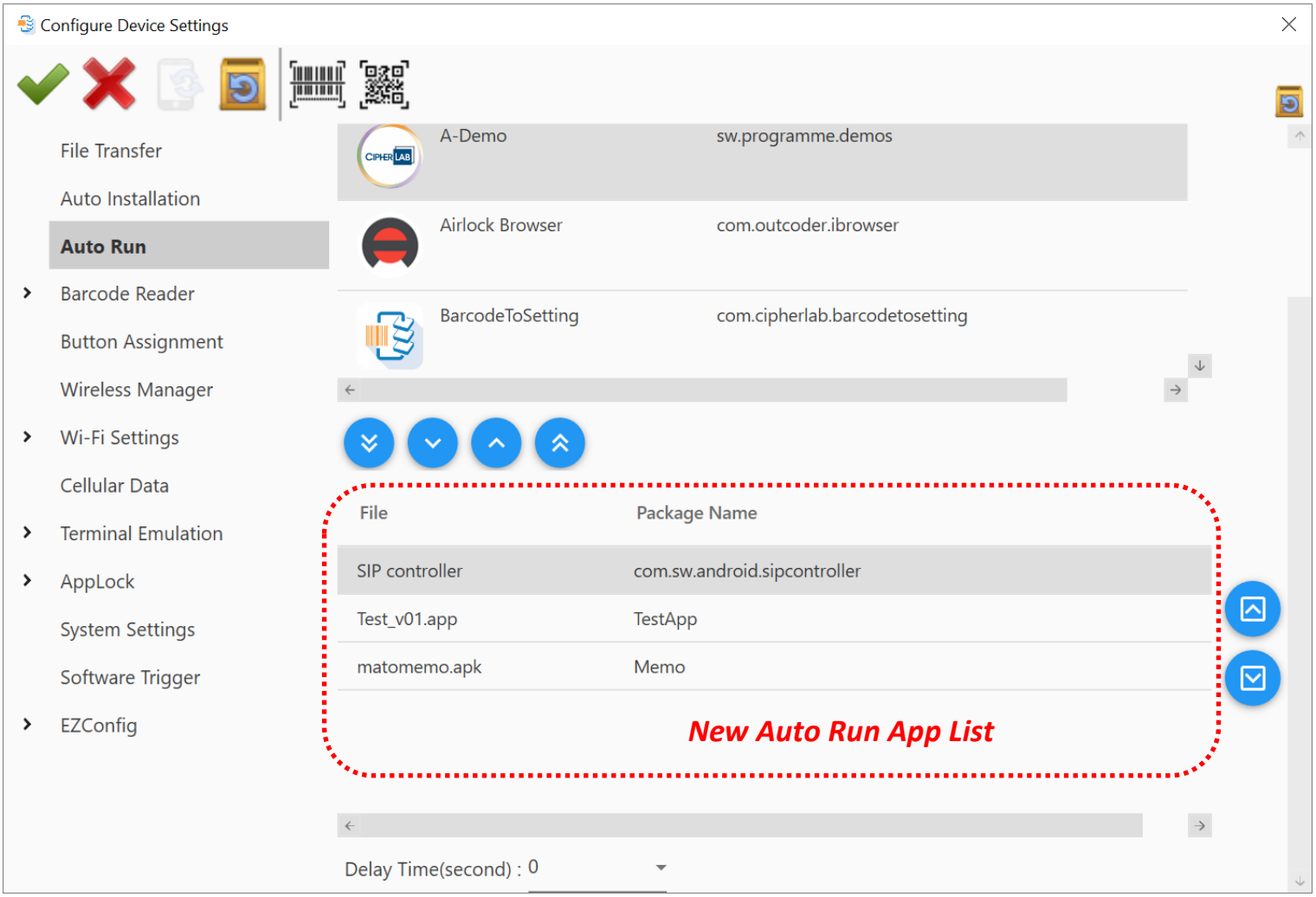
If your source is "***Customer Defined app***", then you must click ***Create***. In the File column, type the filename of the program. In the Package Name column, type the full name of this package (please acquire the package name from the application developer). Once you finish, click on the ***Move Down*** button.



- NEW – Create a new "**Customer Defined app**".
- – Delete the selected **Customer Defined app** (on the **Customer Defined app** list)
- – Move all the files (on the **Customer Defined app** list) down (to the **Auto Run** list).
- – Move the selected file (on the **Customer Defined app** list) down (to the **Auto Run** list).
- – Remove the selected file (from the **Auto Run** list).
- – Remove all the files file (from the **Auto Run** list).

AUTO RUN APP LIST

1) Make sure you have selected the desired items and move them to the ***Selected Package List*** below using ***Move Down*** button. Only the selected items will be saved to this project and deployed to devices.



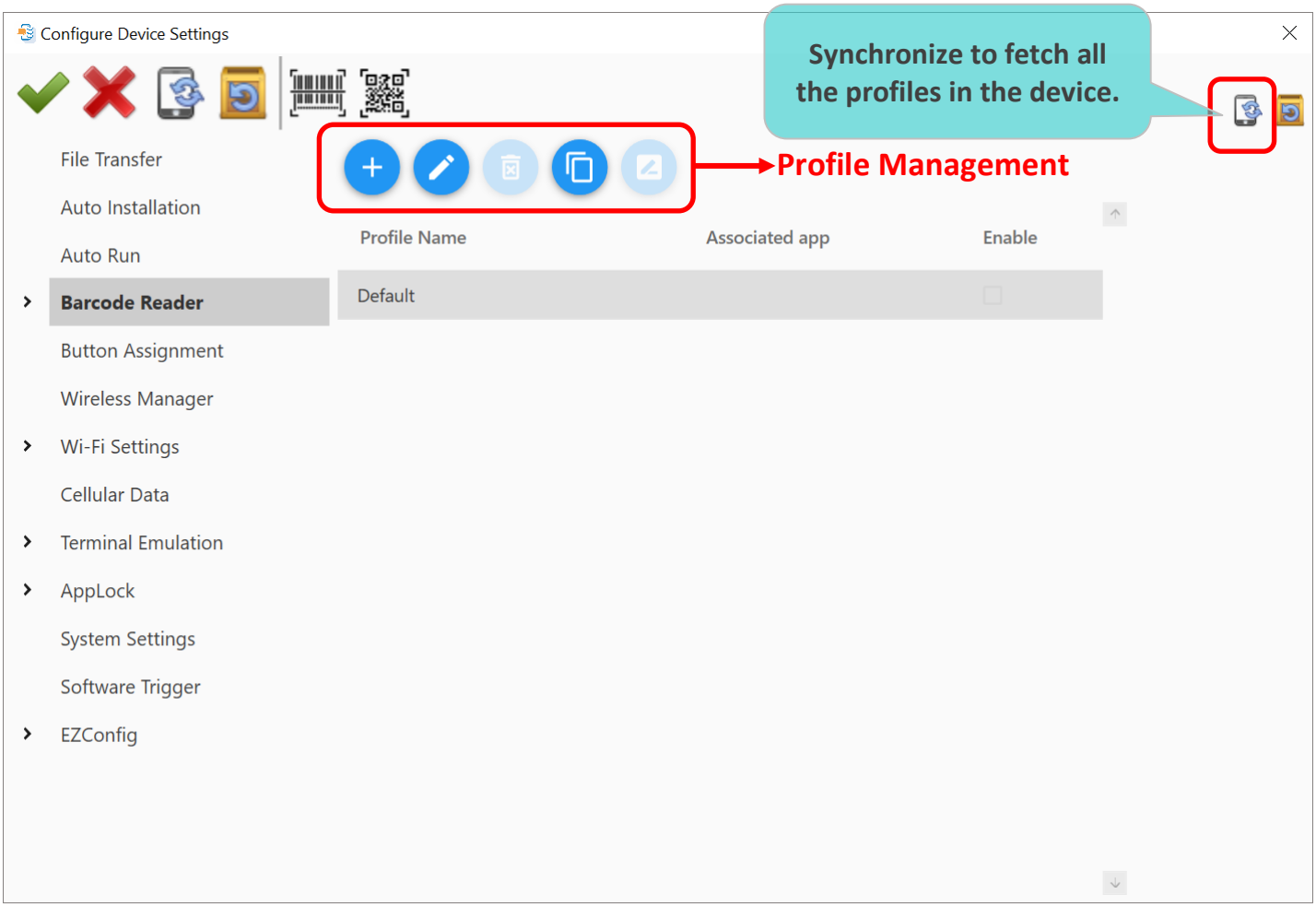
- – Move the selected file (on the **Auto Run** list) upward to change its sorting order.
- – Move the selected files file (on the **Auto Run** list) downward to change its sorting order.

2) Define the interval of each autorun application in ***Delay Time (second)*** if necessary.

3) Click on ***Apply*** before you close the Configure Device Settings window.

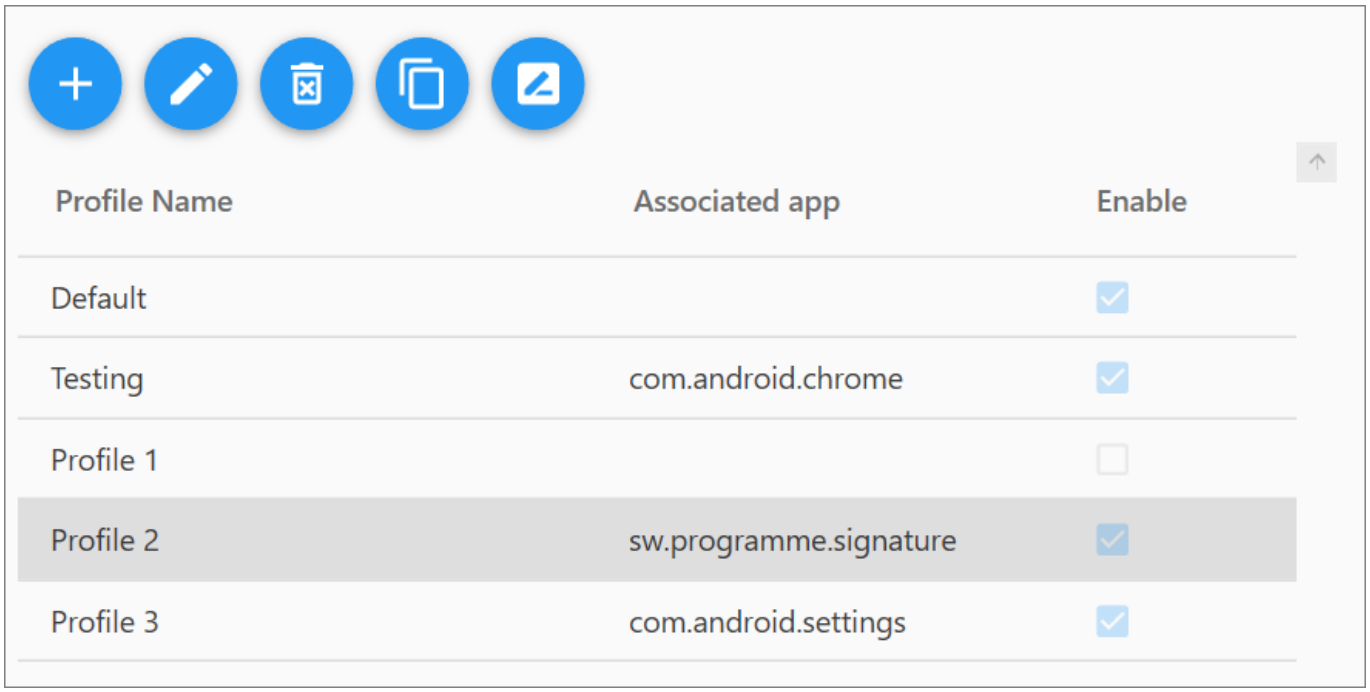
2.6.5. BARCODE READER

To synchronize the device settings by ADC, please make sure that the app "***ReaderConfig***" has been launched on the device for at least one time.



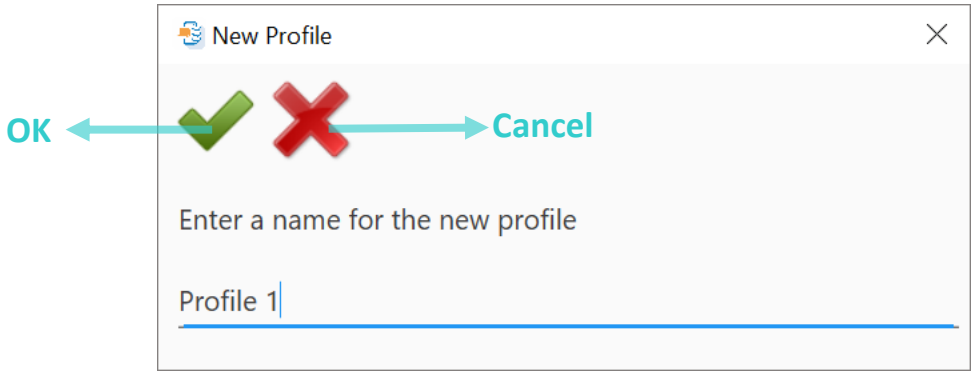
- **New Profile** – To create a new profile.
- **Edit Profile** – To edit the selected profile.
- **Delete Profile** – To delete the selected profile.
- **Copy Profile** – To copy the selected profile and make changes from it.
- **Rename Profile** – To rename the selected profile.

After synchronizing, ***Barcode Reader*** page lists all the profiles the built-in app "***ReaderConfig***" contains, including the "***Default***" profile which cannot be deleted. You may create a new profile and designate an app as the "***Associated app***" to this profile. With an "***Associated app***", the profile can be enabled, and the "***Associated app***" will receive the decoded data output by "***ReaderConfig***" once the profile is enabled. Multiple profiles can be enabled at the same time.

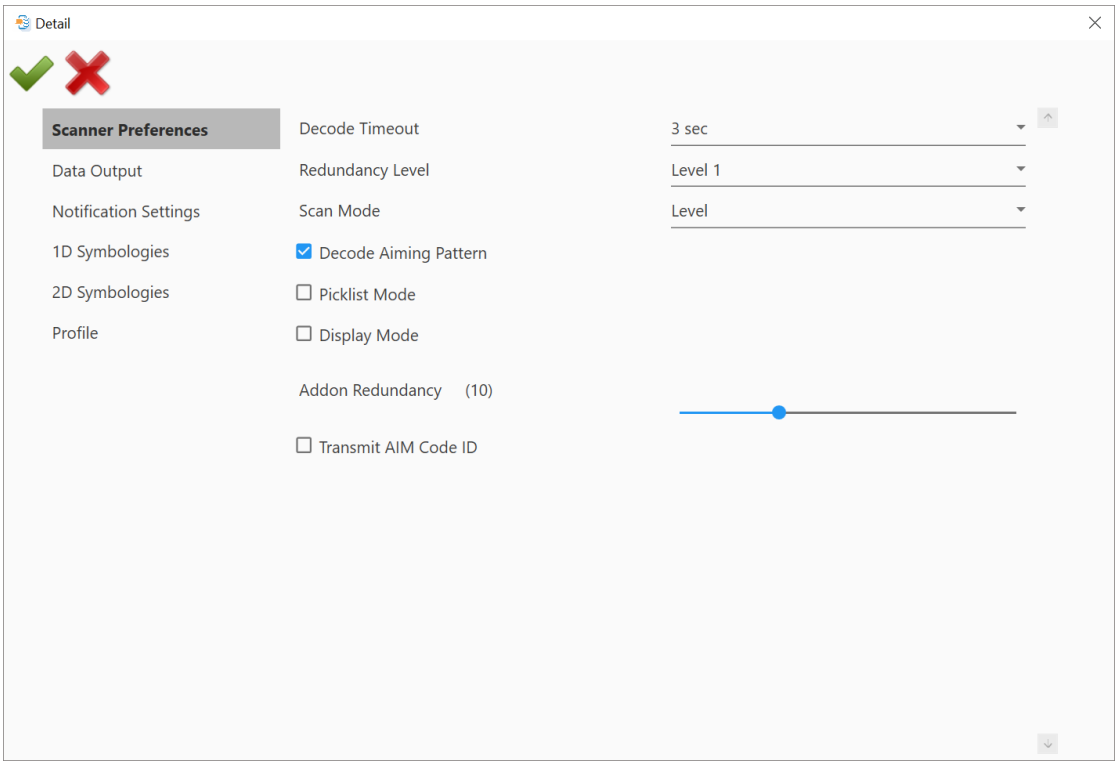


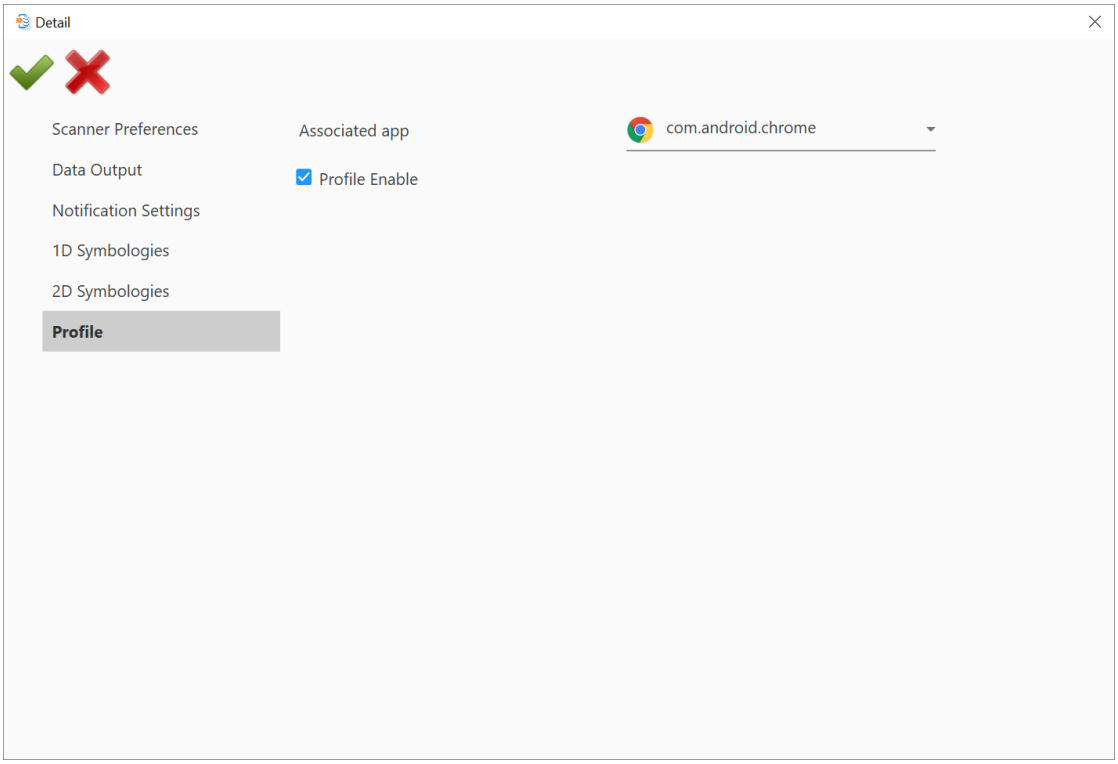
PROFILE MANAGEMENT

To create a new profile, click on "**New Profile**  " to open "**New Profile**" window, then enter the profile name, and finally click "**OK**  " to create it.



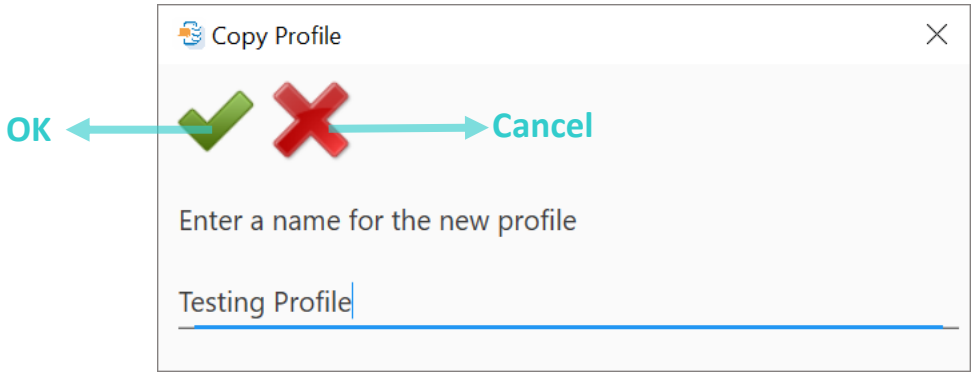
By double-clicking a profile or click on a profile and then click "**Edit Profile** ", the profile detail page is shown. Please go through ***Scanner Preferences***, ***Notification***, ***Data Output***, ***1D Symbologies***, ***2D Symbologies*** and ***Profile***. Make changes if necessary, and make sure to Click on "***Apply*** " to save the setting before you close the profile detail page and Configure Device Settings window.





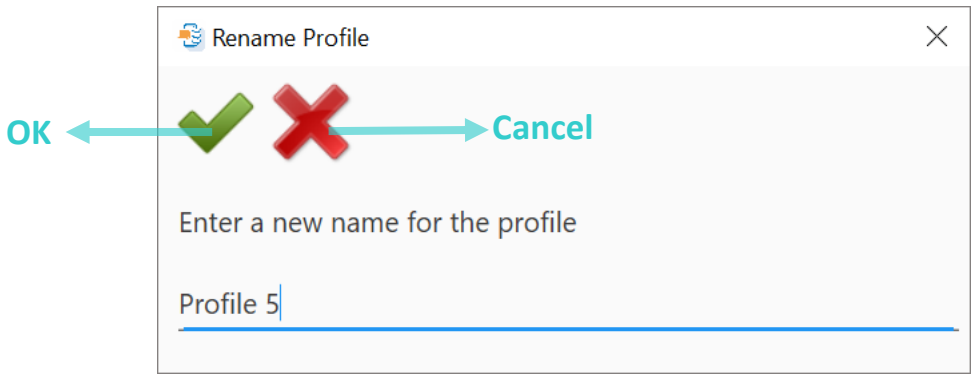
To delete a profile, simply click on the profile and then click on "**Delete Profile** ".

"**Copy Profile** " is to copy an existing profile and make changes from it. Please click on the profile and then click on to open "**Copy Profile**" window. Enter a name for the new profile and click "**OK** " to make a copy.



Note:
An application can be set as the associated app to only one profile. Thus, the "Profile" part will not be duplicated when copying a profile.

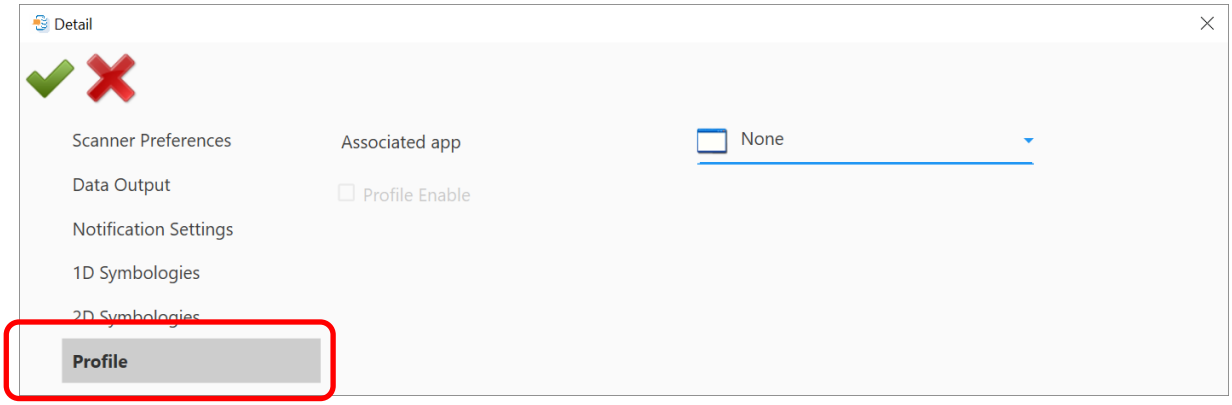
To rename a profile, click on a profile and then click "**Rename Profile** " to open "Rename Profile" window. Enter a new name for the profile and click "**OK** " to change its name.



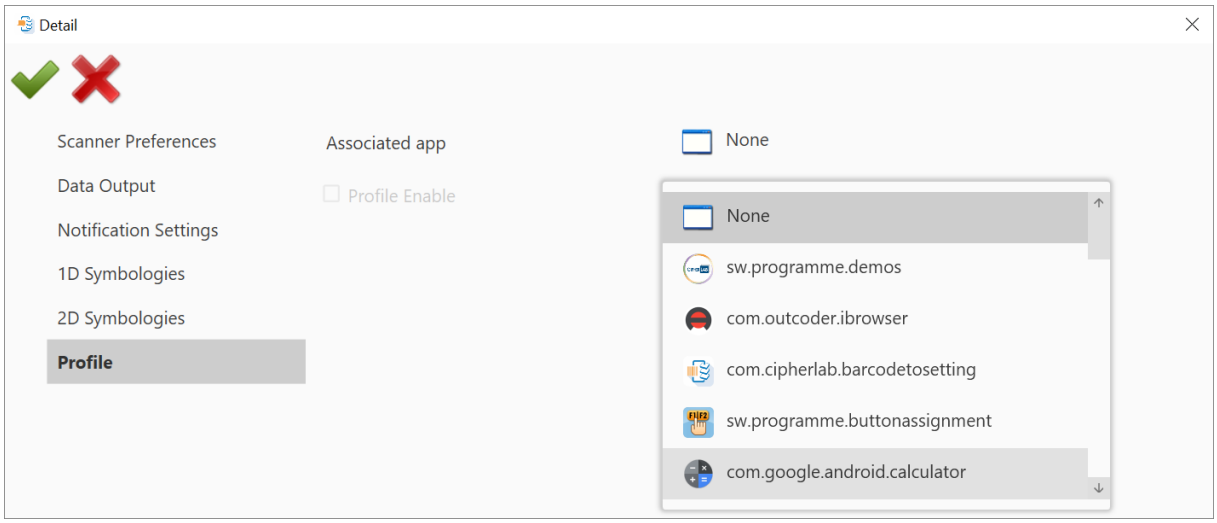
ENABLE A PROFILE

To enable a profile, you need to assign an "**Associated App**" to this profile beforehand:

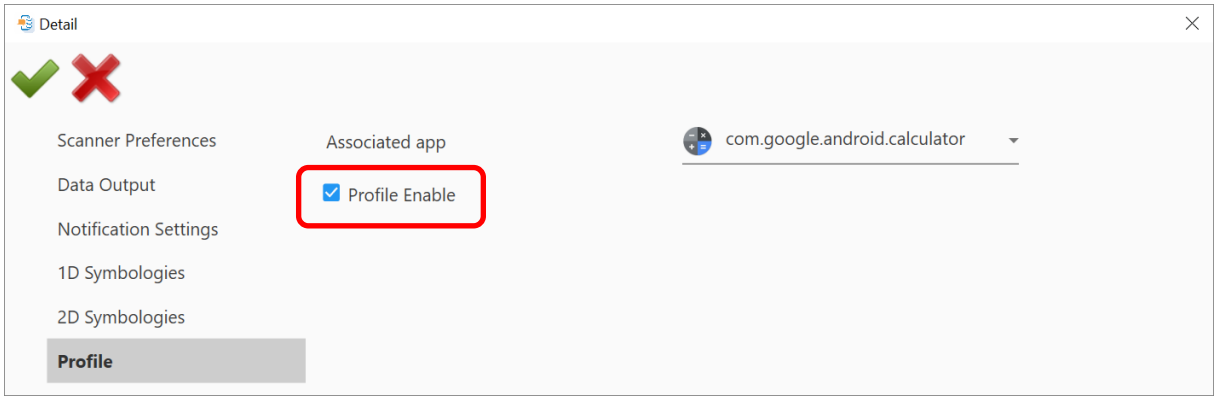
1) Open the profile detailed window and go to "**Profile**" tab page.



2) Select an app from the drop-down menu.

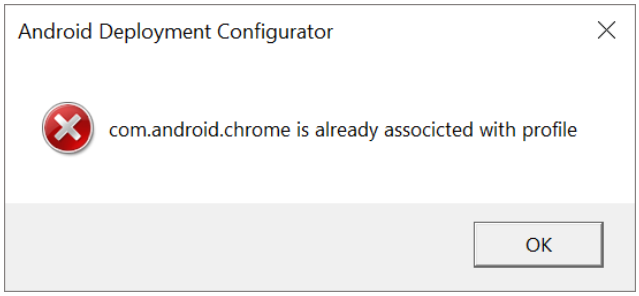


3) Tick the checkbox of "**Profile Enable**".



4) Make sure to click on "**Apply** ✔" to save the setting before you close the profile detailed window.

An app can be set as the associated app to only one profile. If the app you would like to select is already assigned to other profile, a prompt appears to remind you about this app is occupied by which profile.



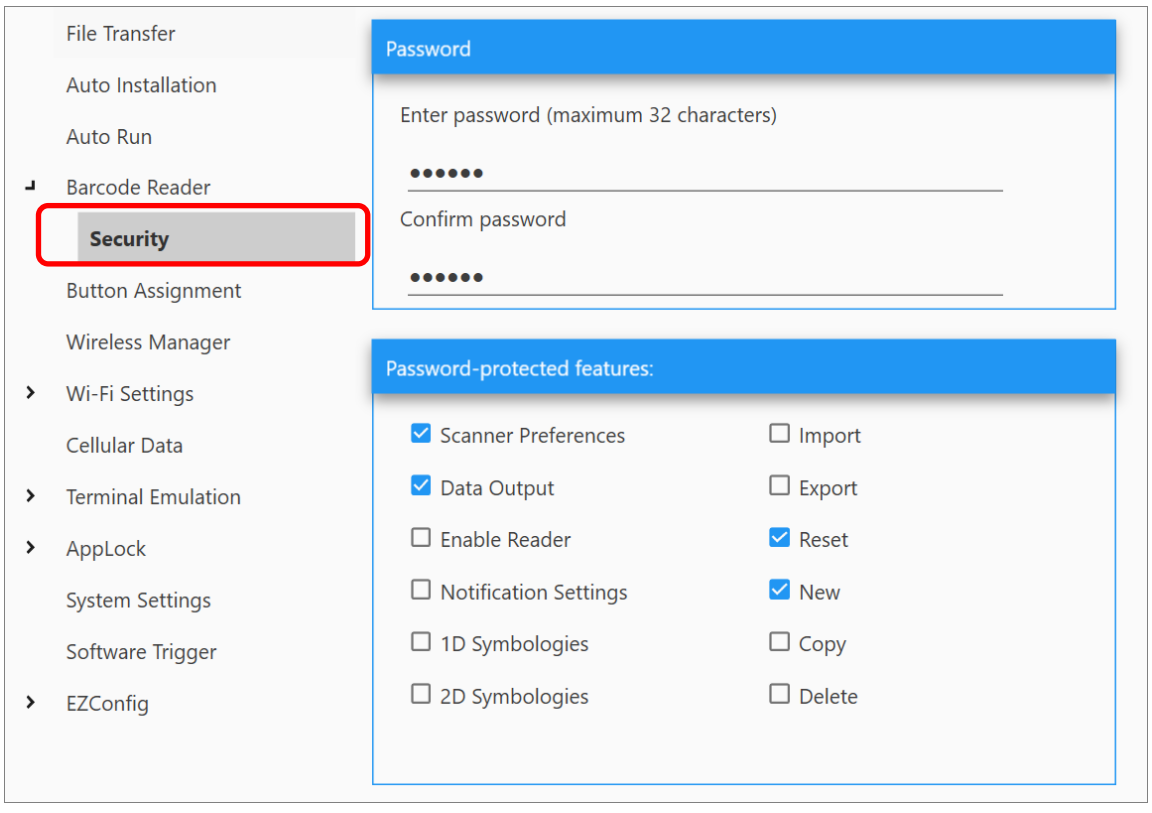
Note:

(1) The "Default" profile doesn't support "Associated app", please assign "Associated app" to the profile(s) you create.

(2) Mutiple profiles can be enabled at the same time.

SECURITY

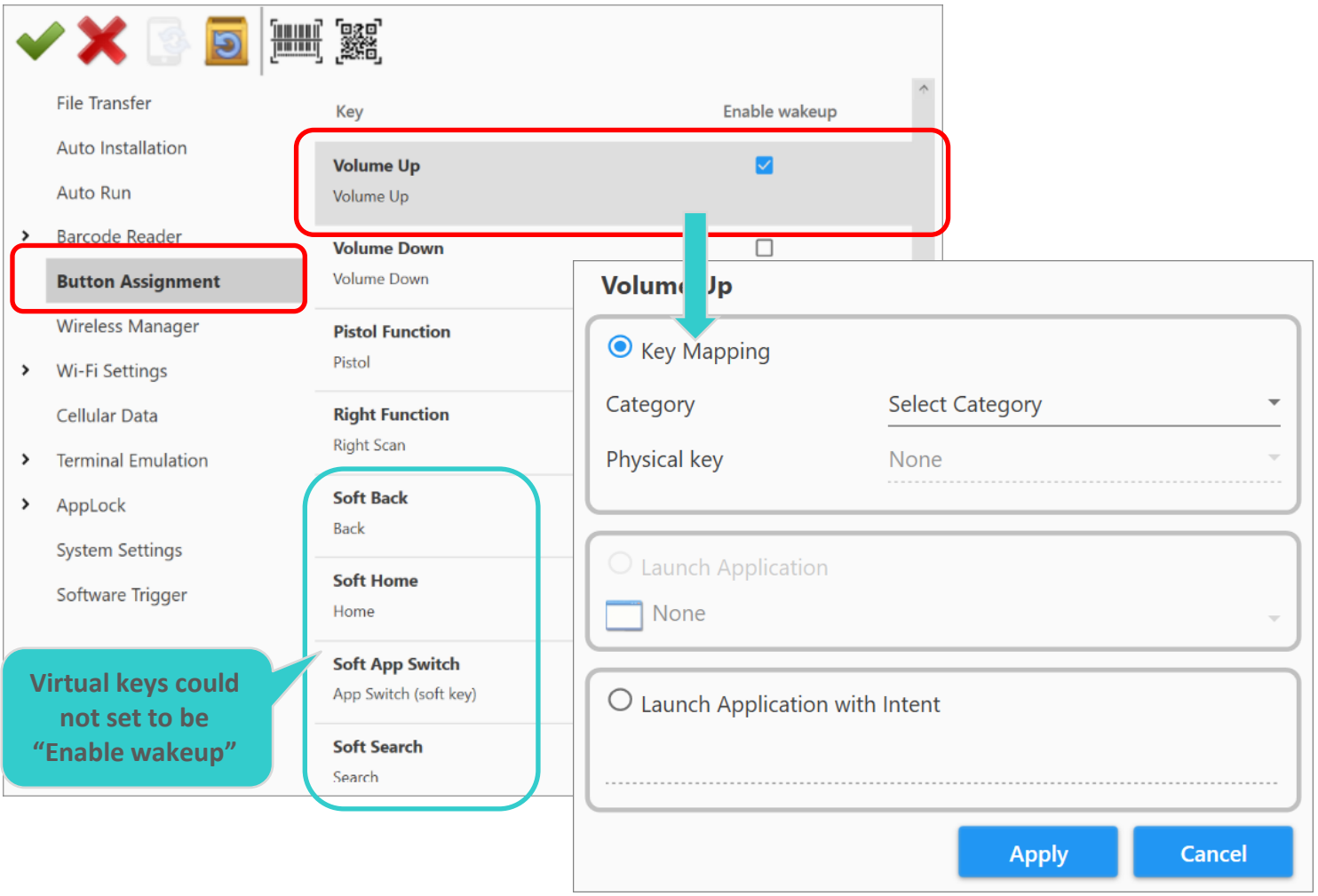
You can set a password to restrict other users of this mobile computer from changing certain configurations or accessing certain functions in the app ReaderConfig. Simply enter "**Security**" tab page under "**Barcode Reader**". Enter and confirm a password and check the items that will be protected by this password.



2.6.6. BUTTON ASSIGNMENT (FOR RS30, RS31, RS50, RS51, & HERA51)

With this configuration, you can define the function of the physical keys of your device. The settings will vary by device model. Please note that the virtual keys (soft keys) could not set to be "**Enable wakeup**".

1) Double-click on the Key name to enter more detailed settings.



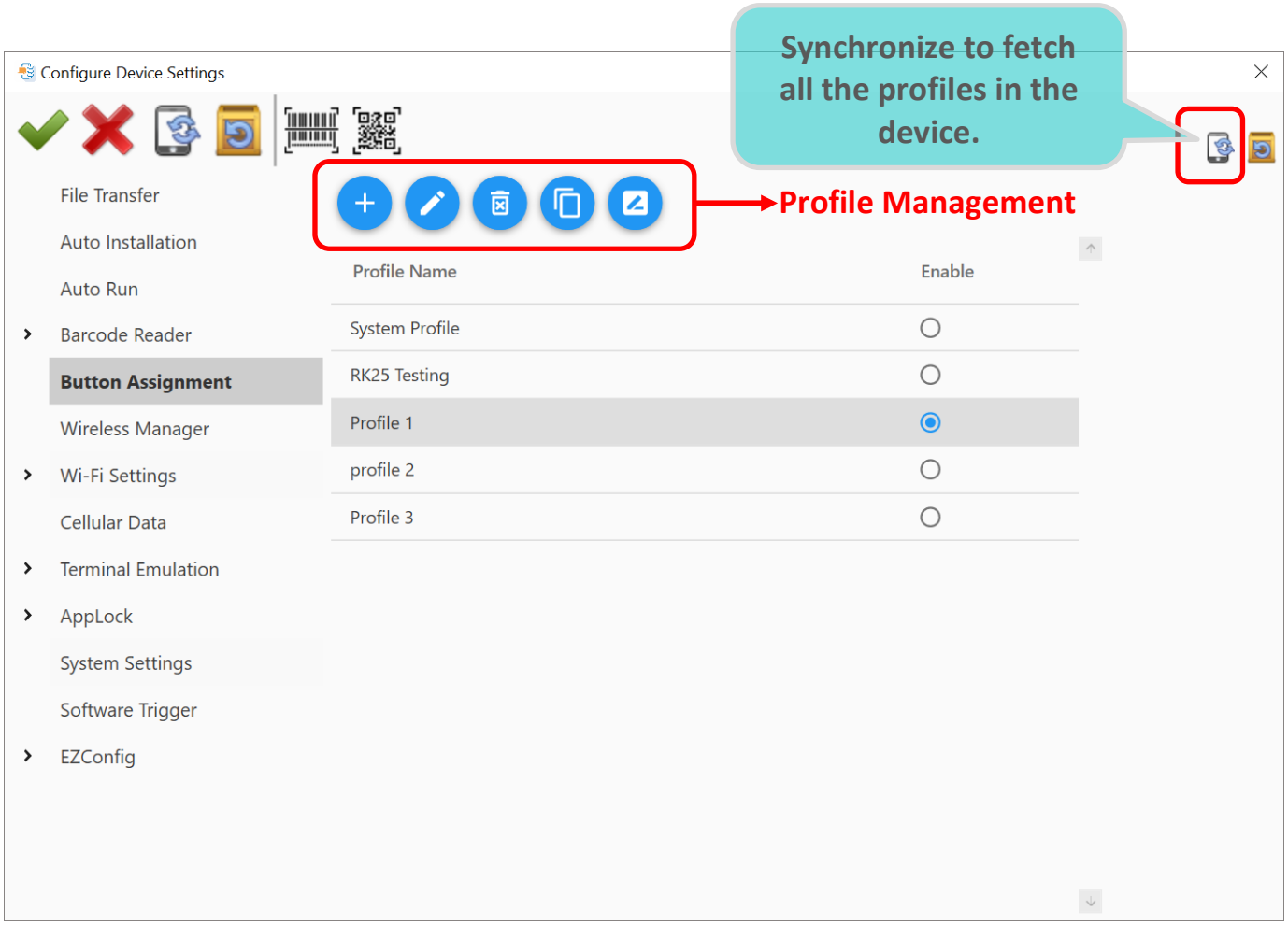
2) If you make any changes on this screen, remember to click on "**Apply**".

3) Click on "**Apply** ✔" before you close the Configure Device Settings window.

<table>
<tr><td rowspan="3">Button Assignment</td><td colspan="8">Key</td></tr>
<tr><td colspan="4">Physical Key (Hardware Key)</td><td colspan="4">Virtual Key (Soft Key)</td></tr>
<tr><td>Volume Up</td><td>Volume Down</td><td>Pistol Function</td><td>Right Function</td><td>Soft Back</td><td>Soft Home</td><td>Soft App Switch</td><td>Soft Search (for RS50, RS51, & HERA51)</td></tr>
<tr><td>Enable Wakeup</td><td colspan="4">Tick the checkbox to enable pressing the key to wake the device from suspend mode.
"Enable Wakeup" is disable if keycode is set as "None".</td><td colspan="4">"Enable Wakeup" is disable all the time.</td></tr>
<tr><td>Key Mapping</td><td colspan="8">Select the key categories and the physical key to be assigned to the key from the drop-down menu, and click "Apply" to save the setting.
Be sure to click on "Apply ✔ " before closing the Configure Device Settings window.</td></tr>
<tr><td>Launch Applications</td><td colspan="8">Please connect your device with PC in advance, make sure that the debugging mode is enabled (refer to How Do I Enable Debugging Mode on My Device?), and then proceed synchronization to get the device application list. Select the application to be assigned to the key from the drop-down menu, and click "Apply" to save the setting.
Be sure to click on "Apply ✔ " before closing the Configure Device Settings window.</td></tr>
<tr><td>Launch Applications with Intent</td><td colspan="8">Input the intent (the specific intent string should be input beforehand in the configuration xml file on your device) to assign the key to launch a specific application. Click "Apply" to save the setting.
Be sure to click on "Apply ✔ " before closing the Configure Device Settings window.</td></tr>
</table>

2.6.7. BUTTON ASSIGNMENT (FOR RK25 & 9700A)

For the device with physical keypad, such as RK25 Mobile Computer or 9700A Mobile Compute, "**Button Assignment**" setting page is as below:



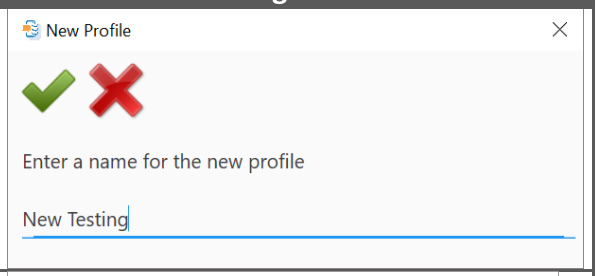
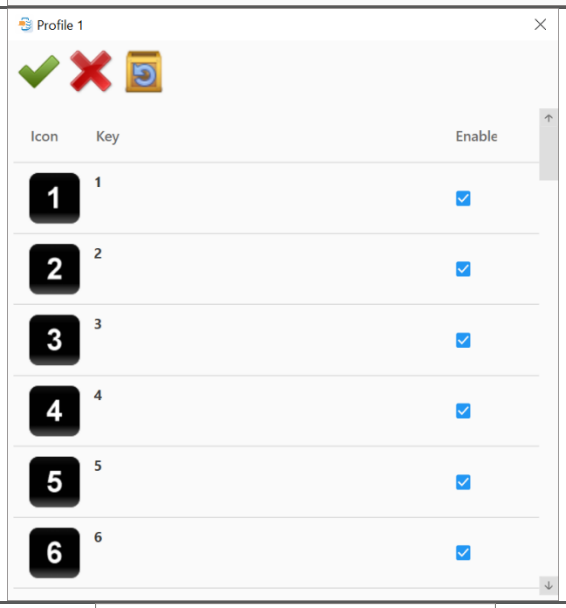
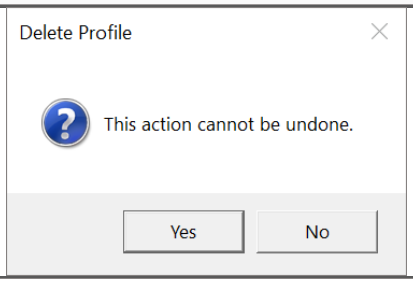
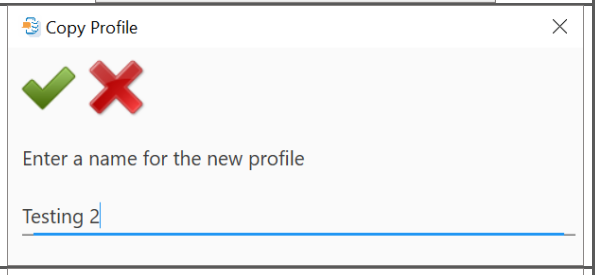
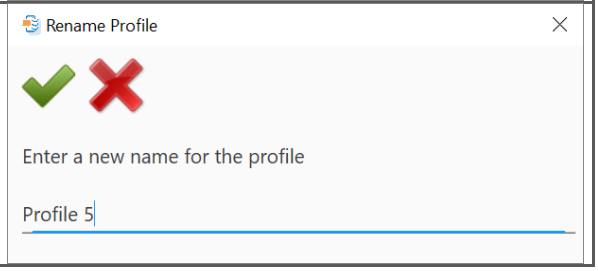
Button Assignment page lists a "**System Profile**" which is fixed in the first row. A profile contains definitions of key behavior or actions. Only one profile can be active at a time.

The key behavior of your device is based on the "**System Profile**" which cannot be deleted. You can change the definitions of key behavior or actions of the System Profile by:

1) Redefining the key behavior.

2) Setting a profile as system profile, and the key behavior or actions of the System Profile will change.

PROFILE MANAGEMENT

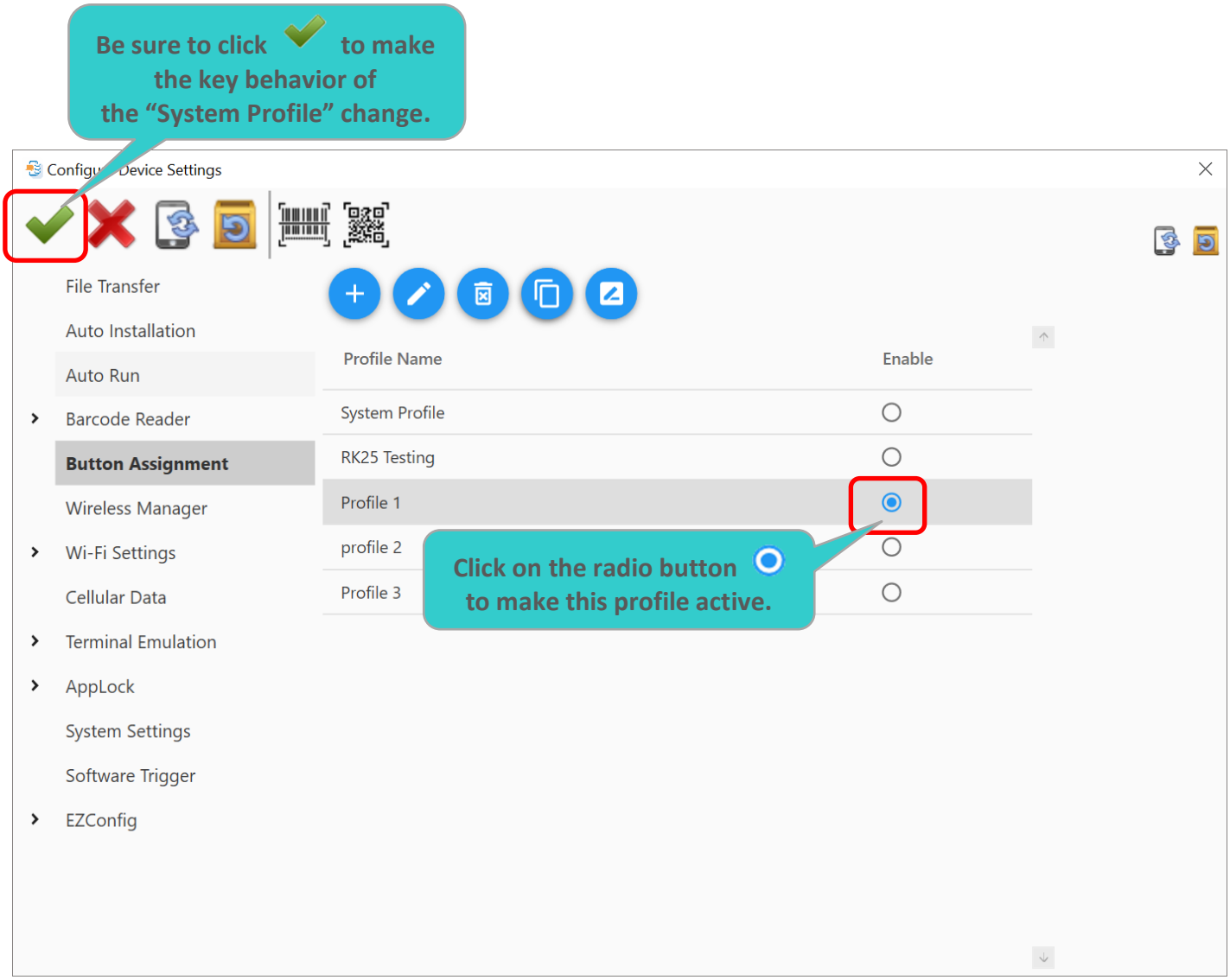
Item	Description	Figure
New Profile 	Create a new profile. Enter a profile name and click "**OK** ✔" to create it.	
Edit Profile 	Change the definitions of key behavior or actions of the selected profile. Please refer to ***Editing Profile*** for details.	
Delete Profile 	Delete the selected profile. Please note that the active profile & the System Profile cannot be deleted. Click "**Yes**" to confirm deleting.	
Copy Profile 	Copy an existing profile and make changes from it. Enter a name for the new profile.and click "**OK** ✔" to make a copy.	
Rename Profile 	To rename an existing profile. Enter a new name for the selected, and click "**OK** ✔" to change its name.	

SELECTING THE ACTIVE PROFILE

You can create different profiles for differnet work enviroments, and only one profile can be active at a time.

Click the radio button on the right of a profile to make the profile active.

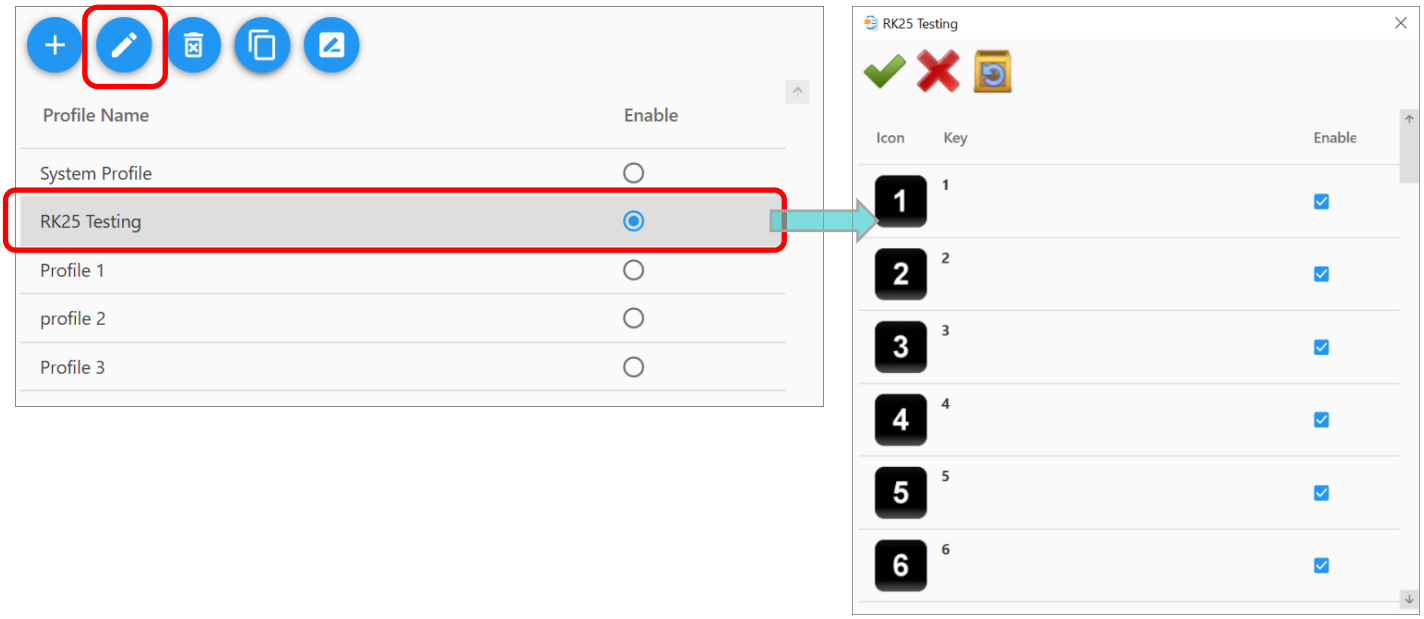
Make sure to click to make the key behavior of the "**System Profile**" change to be the same with the active profile.



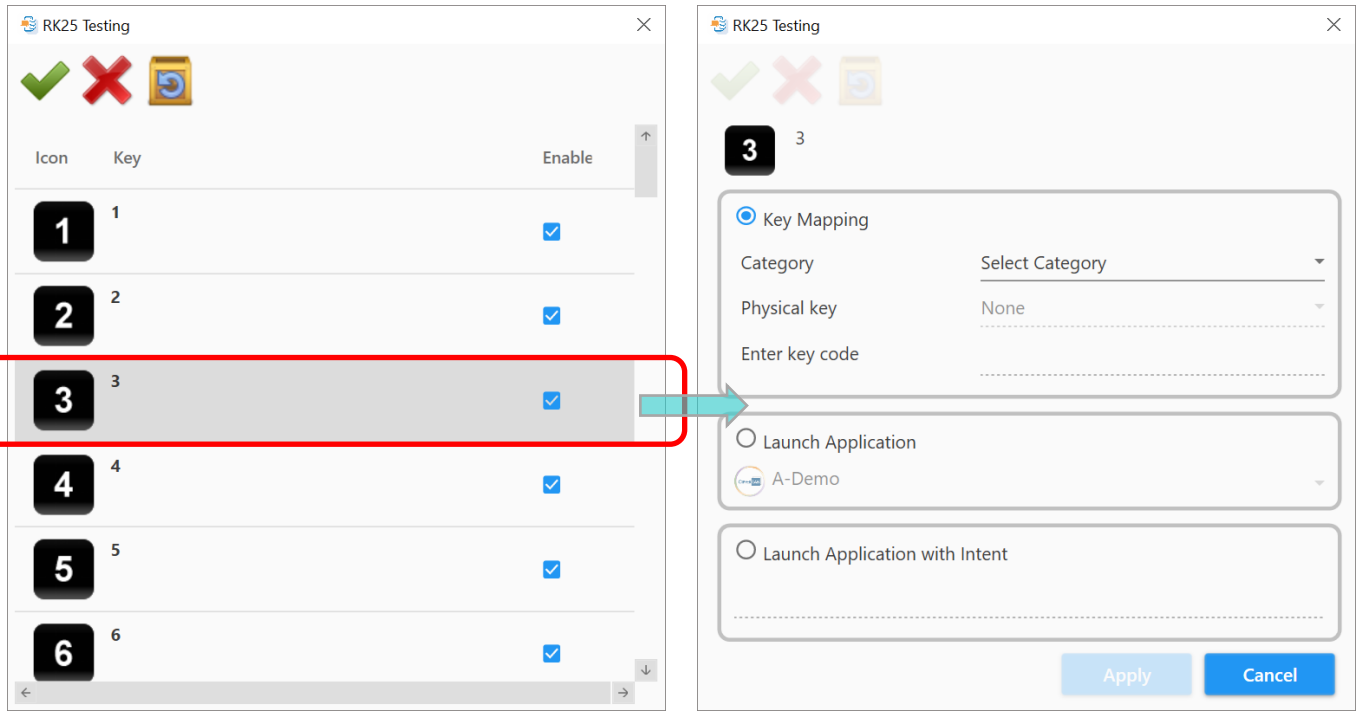
EDITING PROFILE

"**Edit** " is for users to change the key functions of the physical keys to meet their needs. To assign a new function for a re-definable key, please:

1) Click on a profile and then "**Edit** ", or click twice on a profile to list all the keys it contains.



2) Click twice on the key that you'd like to assign a new action.



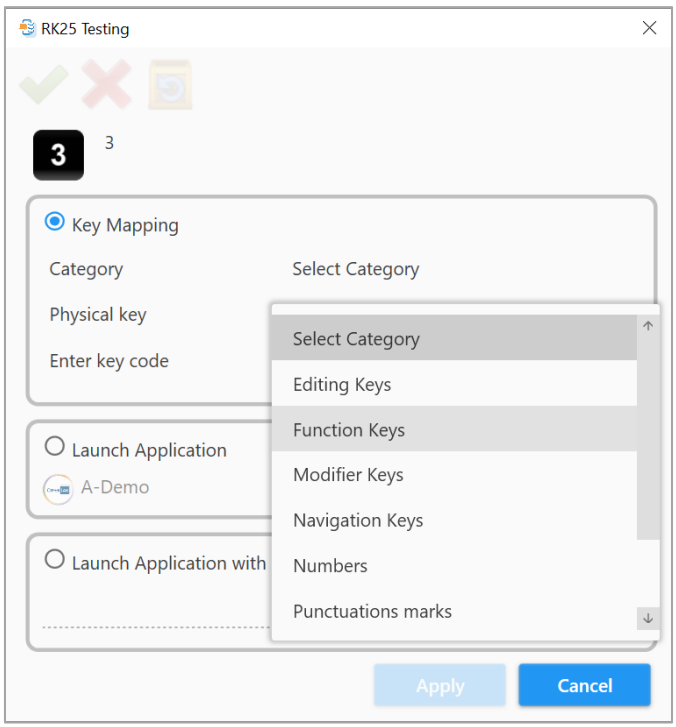
Item	Description
Key Mapping	Click the radio button to select "**Key Mapping**" to map the selected key to another key.
Launch Application	Click the radio button to select "**Launch Application**" if you'd like to launch an app with a key press. Please synchronize to fetch the applications in your device beforehand.
Launch Activity with Intent	Click the radio button to select "**Launch Activity with Intent**" if your app supports launch by intent in its mainfest.

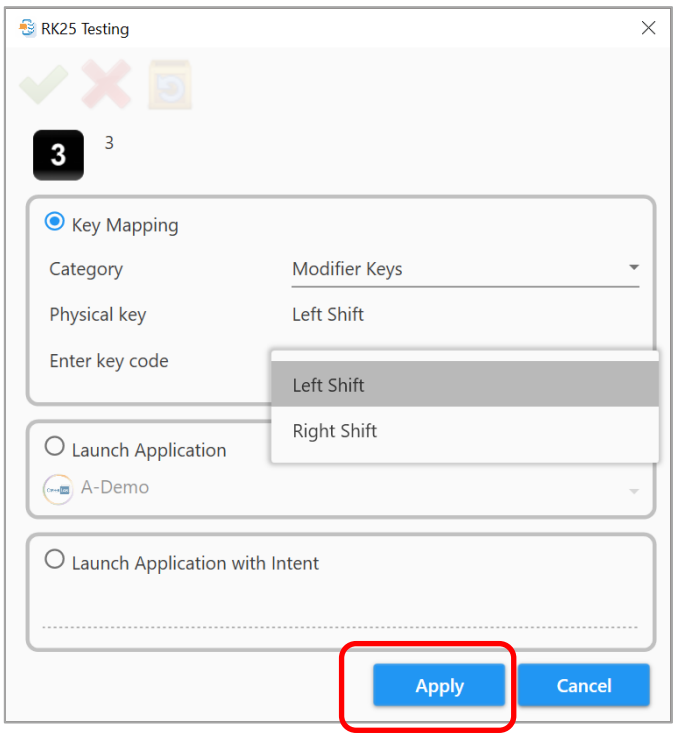
Key Mapping

Click the radio button to select "Key Mapping" to map the selected key to another key:

1) Expand the pull-down menu and select the key type.

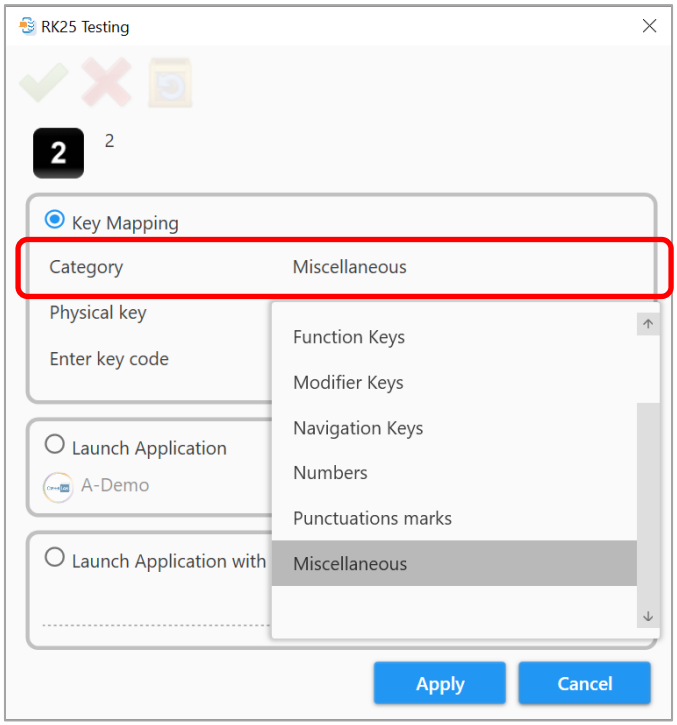
2) Select the key function you would like to assign, and click on "**Apply**".

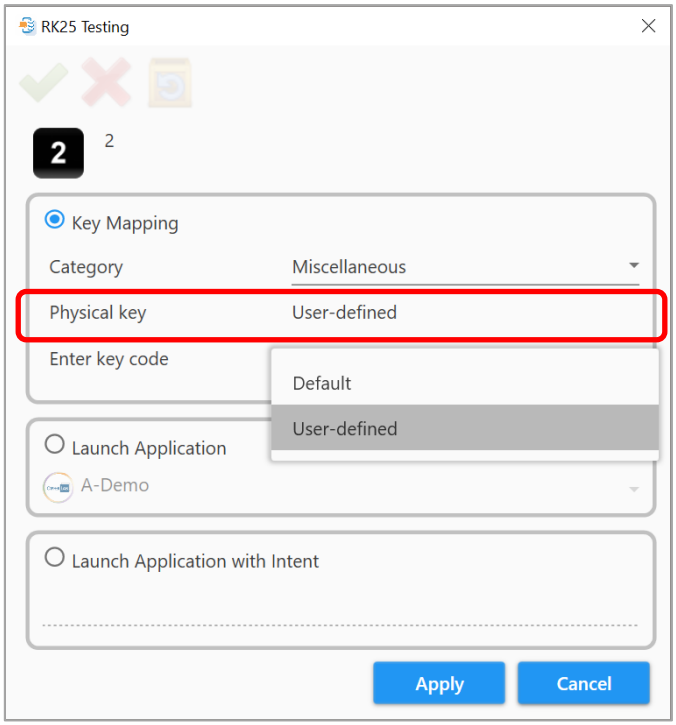




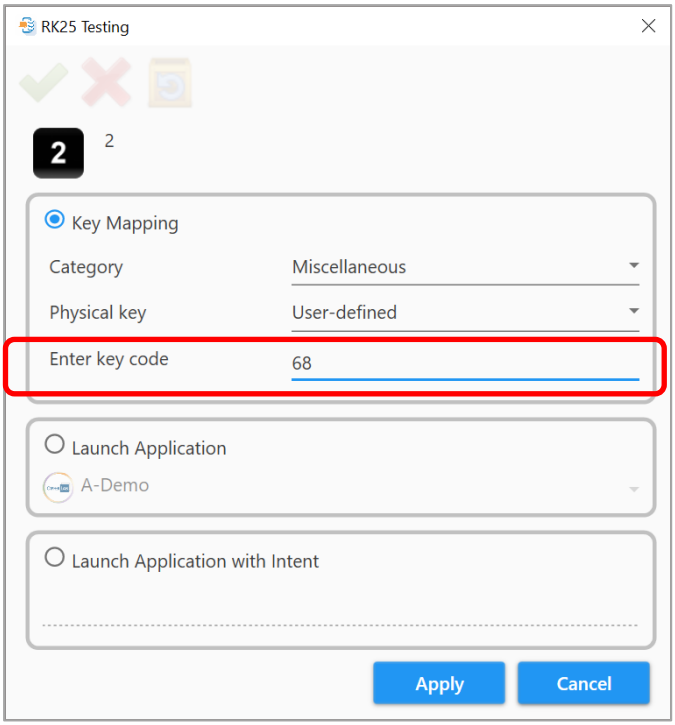
If a desired key is not listed, you can still map the key by entering the key code defined in the Android operating system:

1) Expand the pull-down menu and select Miscellaneous, and then select "**User-defined**".





2) Input key code, and click on "**Apply**"

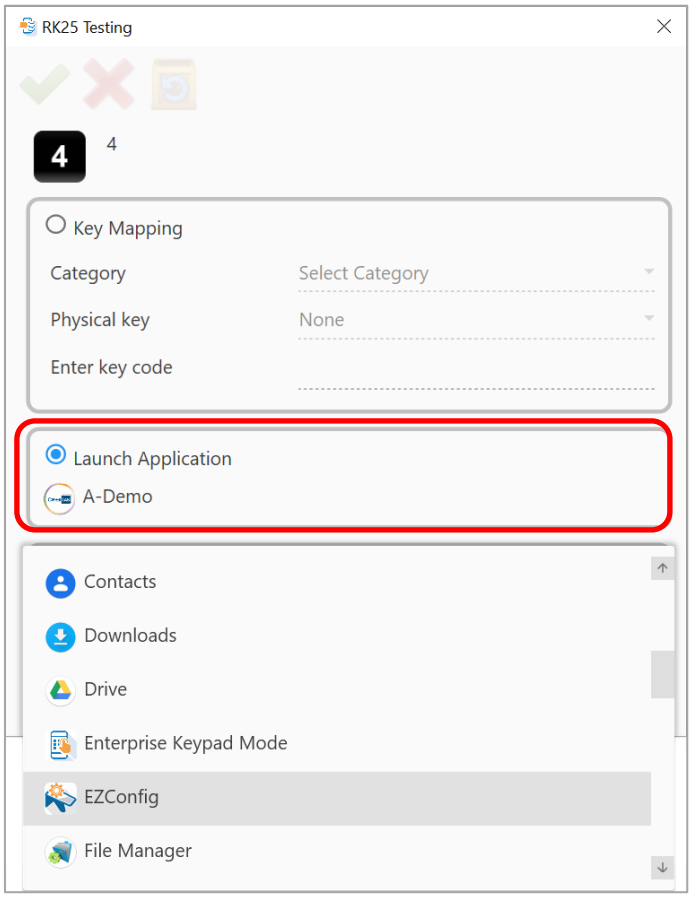


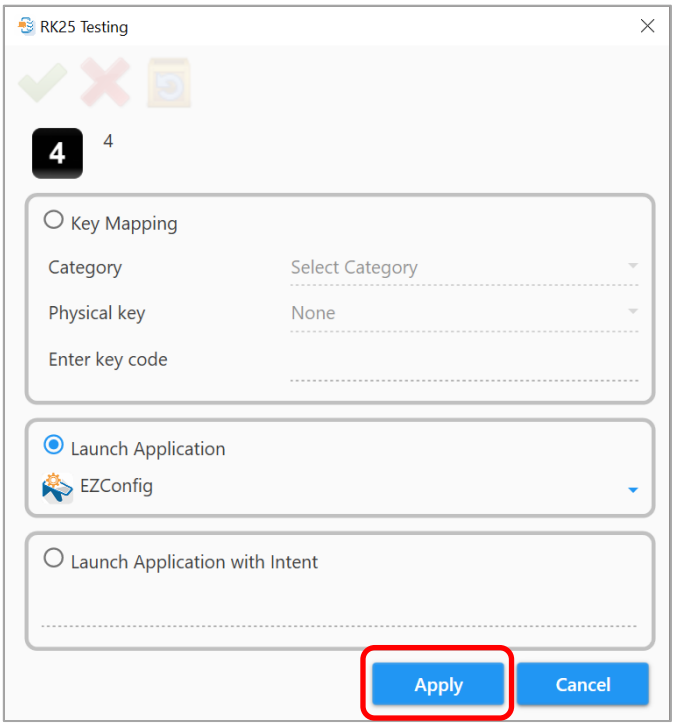
Make sure to click on "**Save**" button after profile editing is done.

Launch Application

Click the radio button to select "**Launch Application**" if you'd like to launch an app with a key press.

Expand the pull-down menu for the entire applications list and select the app you would like to assign.





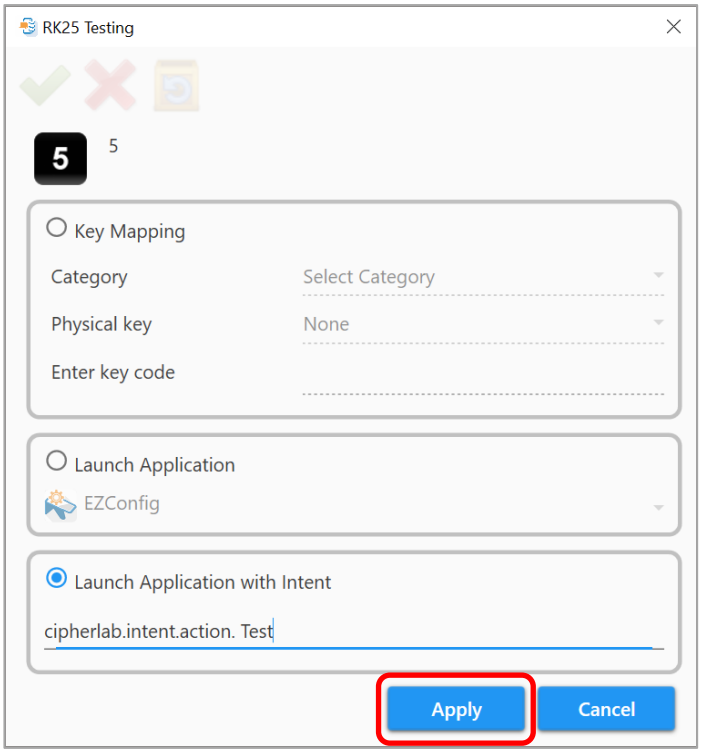
Make sure to click on "**Save**" button after profile editing is done.

Launch Application with Intent

In order to support launch by intent in your app, you need to add an intent-filter action in your app's AndroidManifest.xml file. The following example uses "**cipherlab.intent.action.Test**" as the name of the intent to be launched.

```
<activity
android:name=".MainActivity"
android:label="@string/app_name" >
<intent-filter>
<action android:name="android.intent.action.MAIN" />
<action android:name="cipherlab.intent.action.Test" />
<category
android:name="android.intent.category.LAUNCHER" />
</intent-filter>
</activity>
```

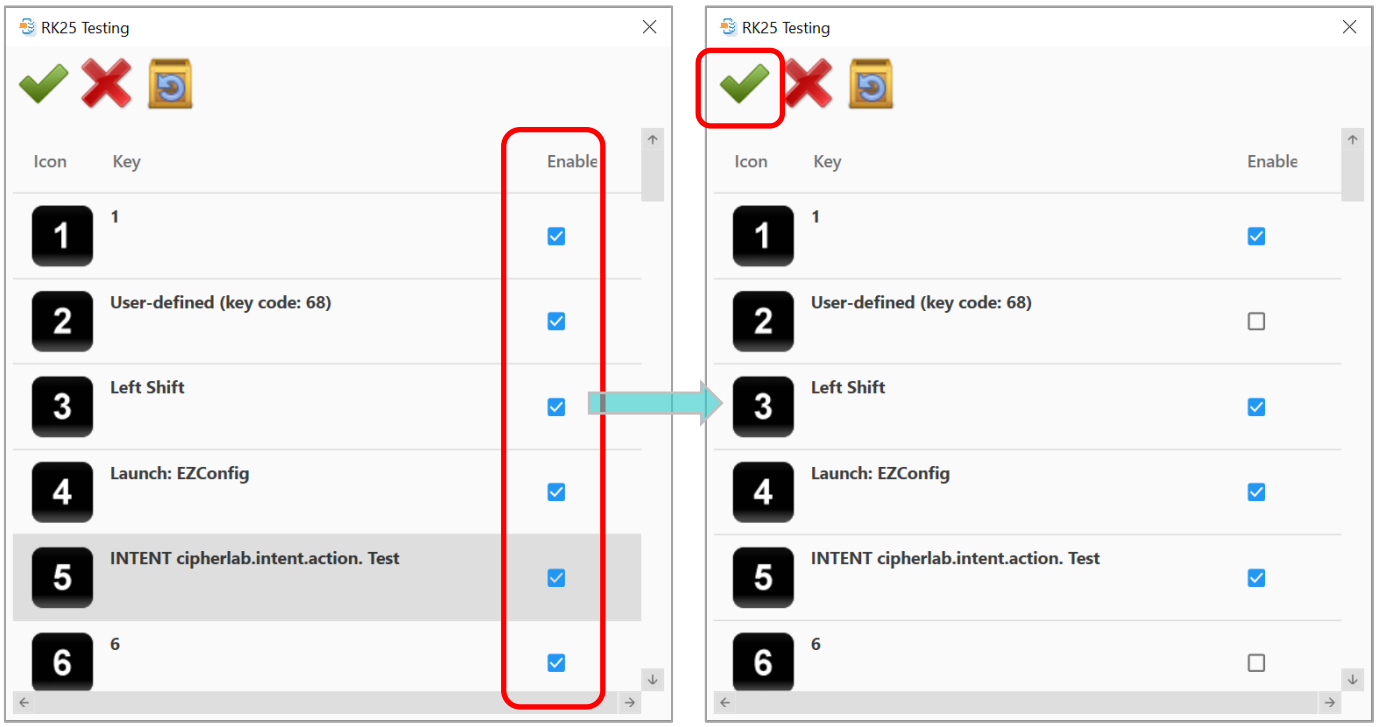
Click the radio button to select "**Launch Activity with Intent**" and enter "**cipherlab.intent.action.Test**" then click on "**Apply**" button. Once the action is set, your application can be launched with a key press.



Make sure to click on "**Save**" button after profile editing is done.

Enabling/ Disabling a Key in Profile

To enable or disable a key in a profile, simply select the profile to list all of its keys and tick/ untick the checkbox next to the key you'd like to enable or disable:



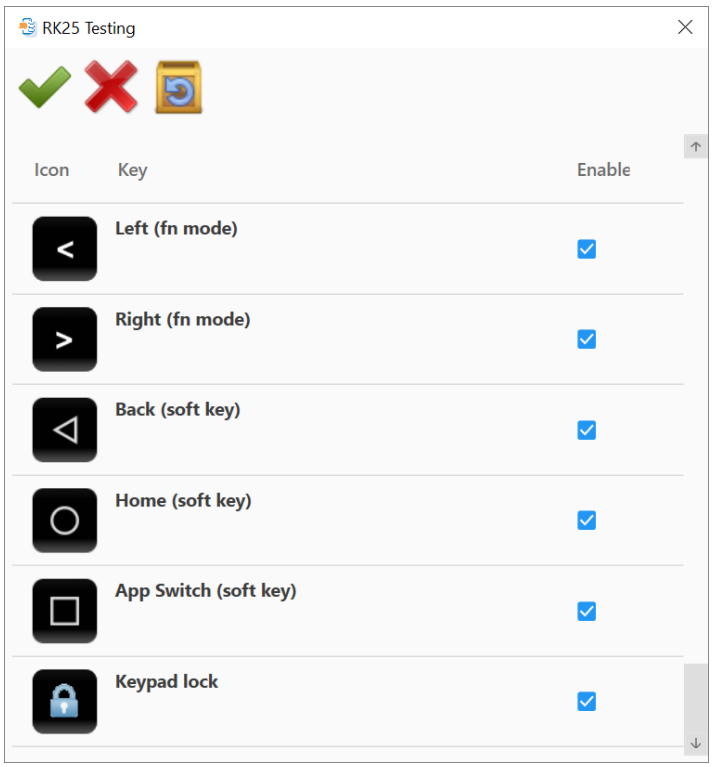
- **Save** – Save your change of the key functions or enable/disable keys.
- **Cancel** – Directly close the window without saving any change.
- **Reset** – Restore the key functions to the default.

Make sure to click on "**Configure Device Setting**" screen to make the key behavior of the profile changed.

Keypad Lock

For the device with physical keypad, you can lock the physical keys by pressing **Shift** key and then **Backspace** key to avoid pressing the keys accidentally. If you would like to enable or disable the keypad lock function, you can:

1) Click on a profile and then "**Edit**" , or click twice on a profile to list all the keys it contains
2) Scroll to find "**Keypad lock**".
3) Click on the checkbox next to "**Keypad lock**" to tick or untick it.



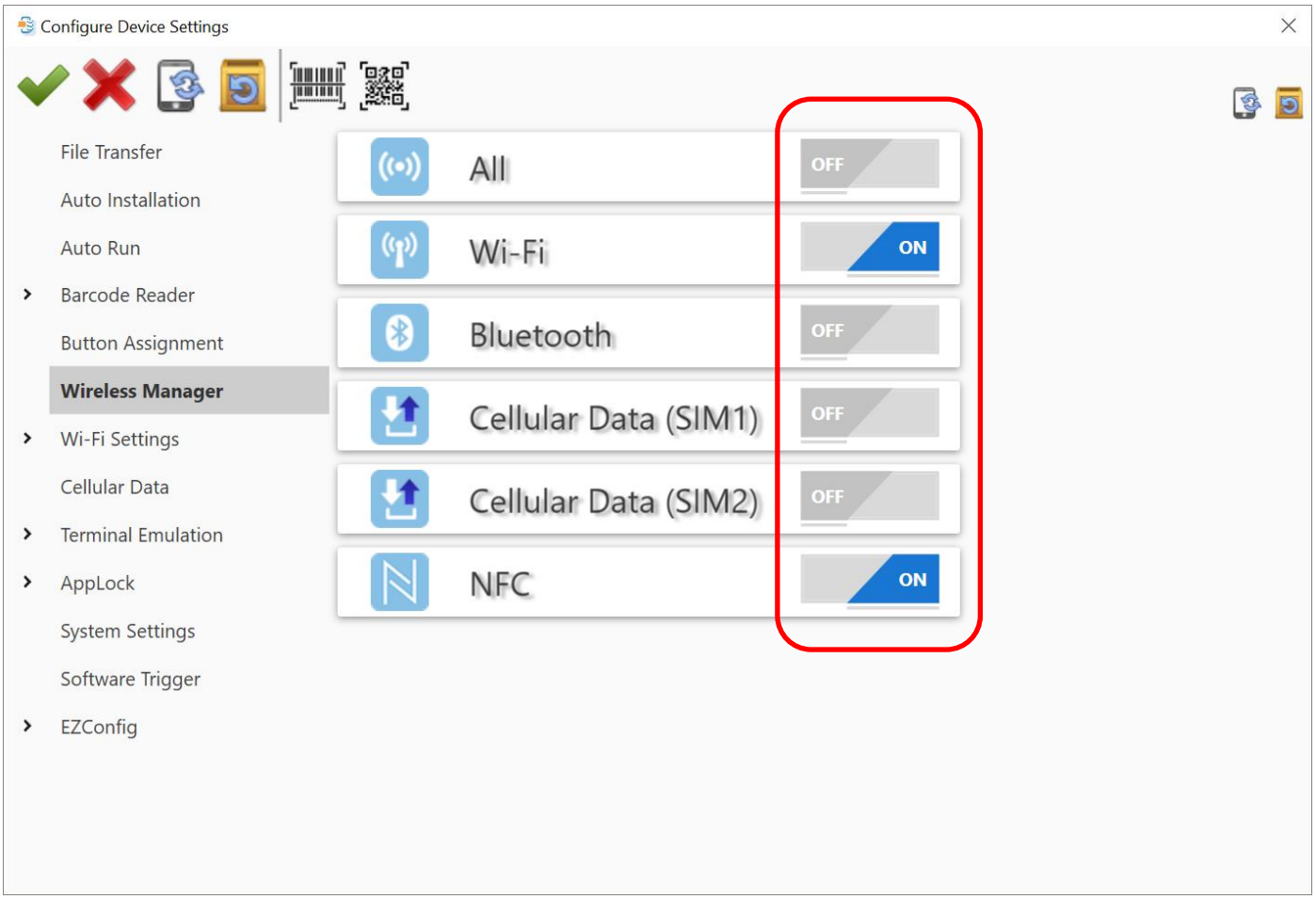
4) Make sure to click on "**Save** " button after you change the key functions or enable/disable keys, and click on "**Configure Device Setting**" screen to make the key behavior of the profile changed.

Note:

The three soft keys, Back , Home , and App Switch , are never locked even if Keypad lock is enabled.

2.6.8. WIRELESS MANAGER

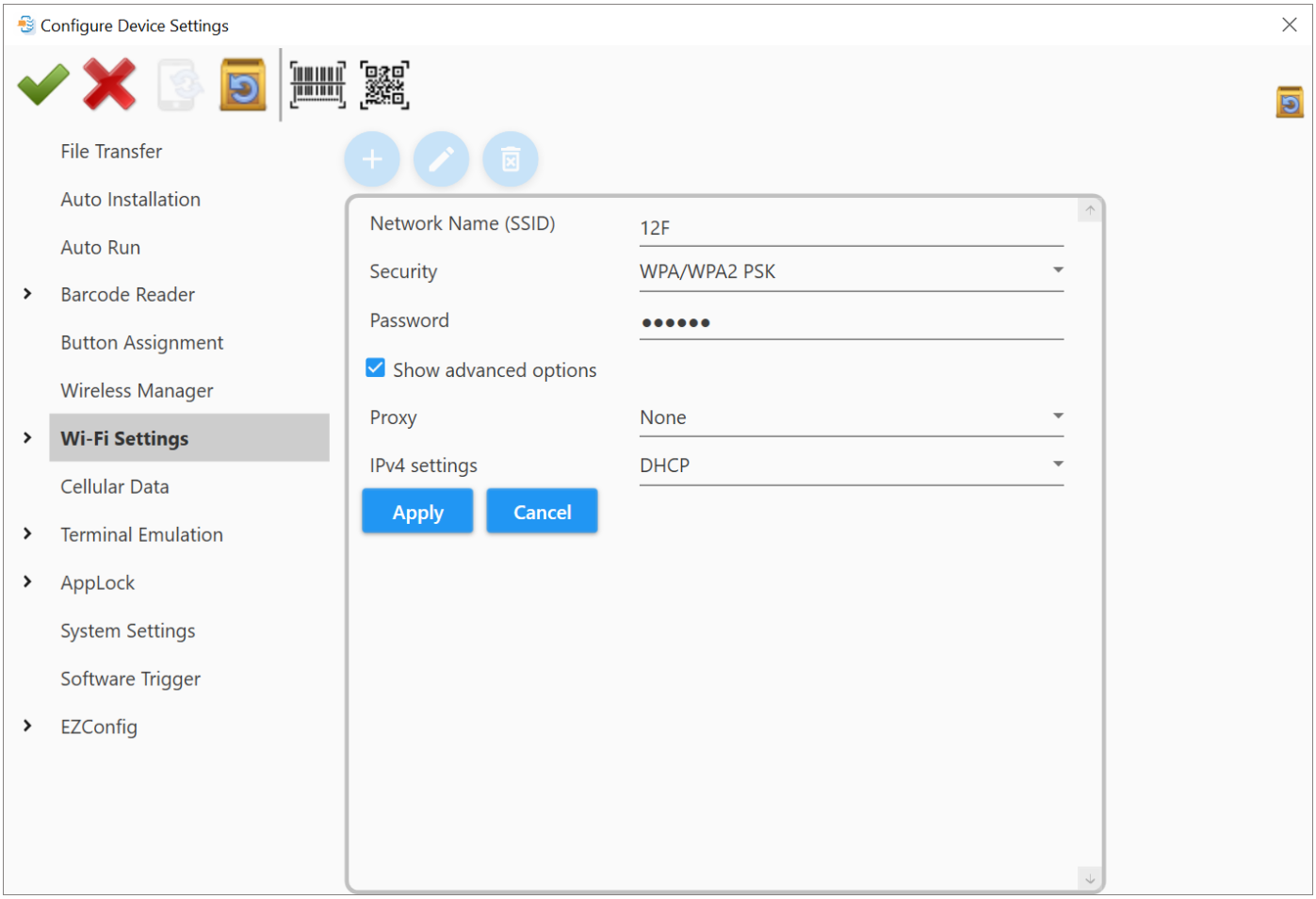
1) Make changes if necessary. Click on the switch to turn on (or turn off) one or all wireless signals.



2) Click on "**Apply** ✔" before you close the Configure Device Settings window.

2.6.9. WI-FI SETTINGS

1) Click on "**Add**" to add a new wireless profile and fill in the necessary fields. Click on "**Apply**" to save the settings.



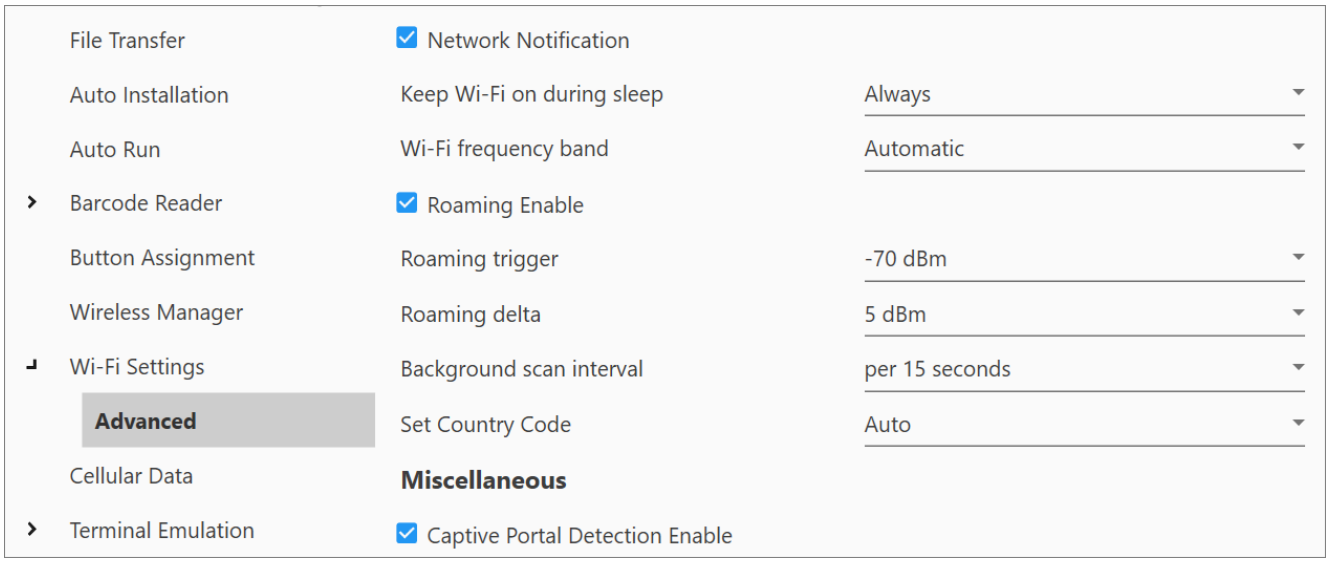
- **Add** – To add a new wireless profile.
- **Edit** – To edit the selected wireless profile.
- **Delete** – To delete the selected wireless profile.

For **IPv4 settings**, you can choose for the device to obtain an IP address via DHCP. Your device IP addresses may be automatically assigned if DHCP is enabled on the adapter.

2) Click on "**Apply** ✔" before you close the Configure Device Settings window.

ADVANCED

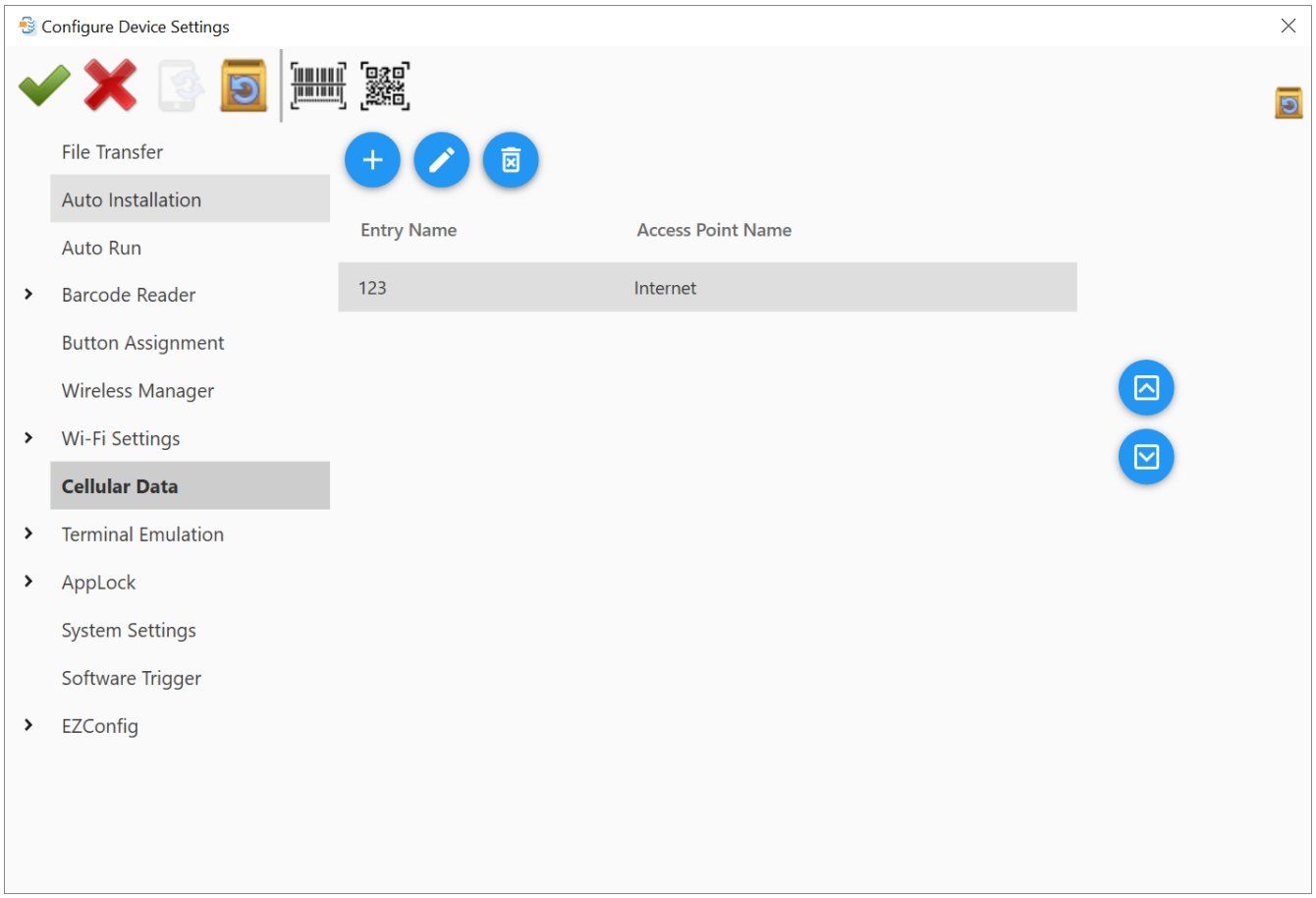
Unfold "**Wi-Fi Settings**" and click "**Advanced**" option, the advanced Wi-Fi settings page is shown to deliver the following functions:



Item	Description
Network Notification	Notify when an open network is available.
Keep Wi-Fi on during sleep	Set when to turn Wi-Fi on during sleep.
Wi-Fi Frequency band	Select the Wi-Fi Frequency band from Automatic, 5GHz only, and 2.4 GHz only.
Roaming Enable	Select whether to enable Wi-Fi roaming or not.
Roaming trigger	The signal strength when triggering Wi-Fi roaming. The higher value means the sensitivity of triggering roaming is higher.
Roaming delta	The qualification for roam candidates. The higher value means the signal strength of candidate APs should be higher than the current connected AP.
Background scan interval	The frequency of background scan when the device does not connect to the Internet. The shorter time means the scanning frequency is higher.
Set Country Code	Select the Wi-Fi country code for your device. The default country code setting is automatically set by the SIM card inserted in your device.
Captive Portal Detection Enable	Select whether to enable "Captive Portal Detection" whose feature is to prevent your device from automatically reconnecting to a network without internet.

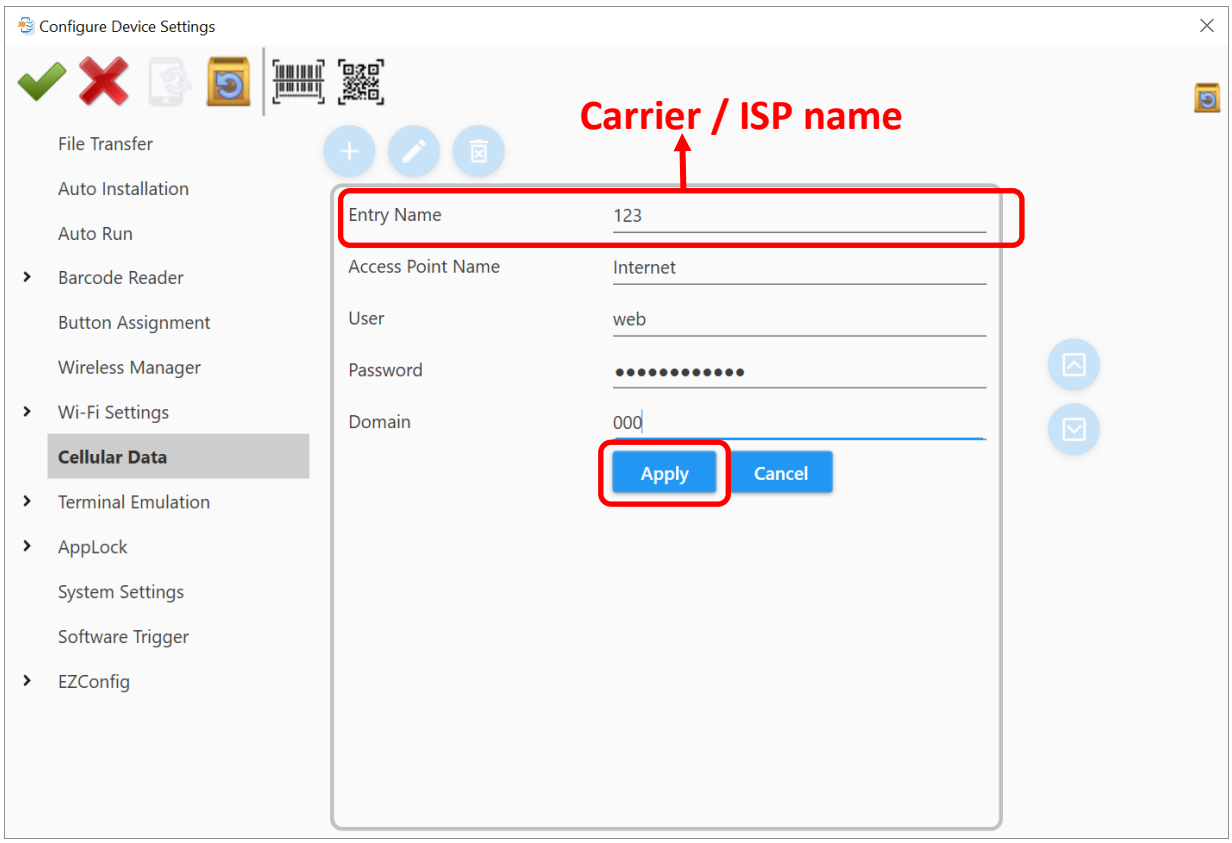
2.6.10. CELLULAR DATA

Cellular Data is for configuring your cellular data network:

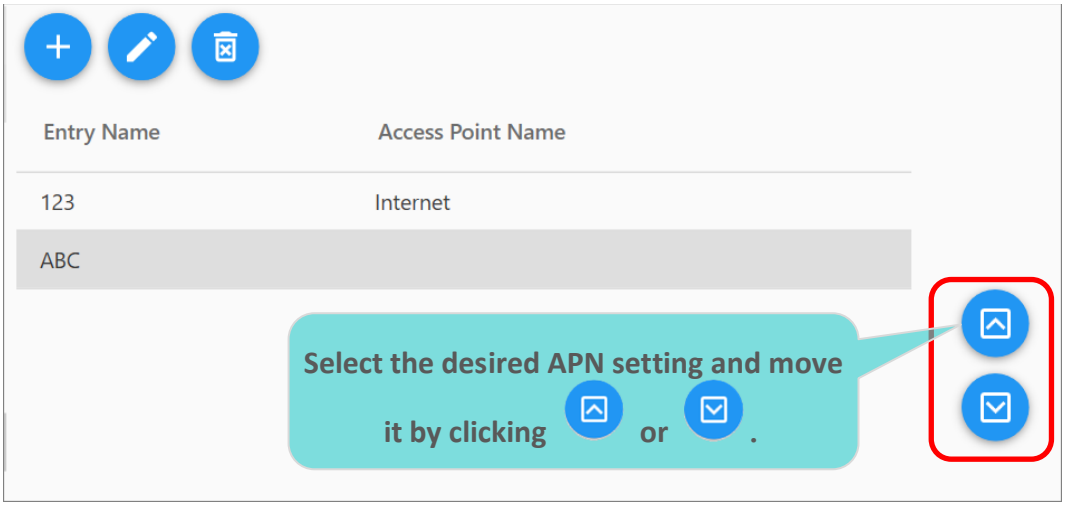


- **Add** – To add a new cellular data network.
- **Edit** – To edit the selected cellular data network.
- **Delete** – To delete the selected cellular data network.
- – Move the selected cellular data network upward to change its sorting order.
- – Move the selected cellular data network downward to change its sorting order.

1) "**Add** " or "**Edit** " a cellular data network, and make sure to click on "**Apply**" to save your configuration.



2) If you have more than one entry, ONLY the one at the top of the list will be activated. Make sure you move the desired APN settings to the top by clicking .

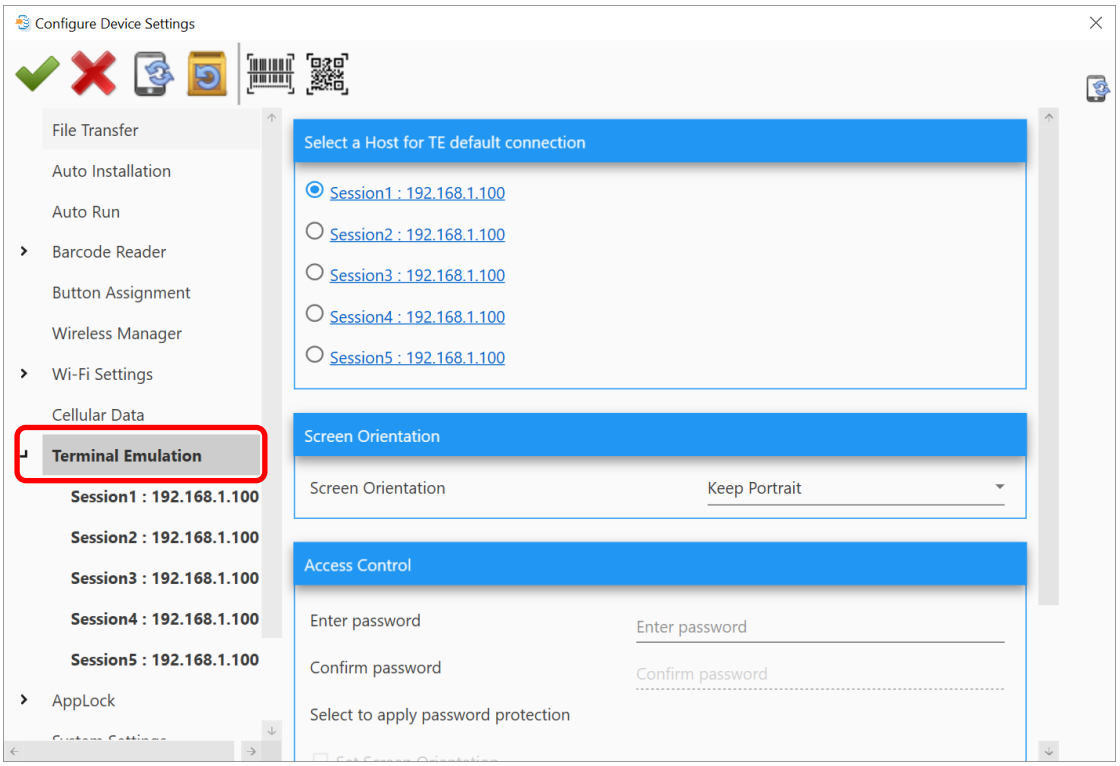


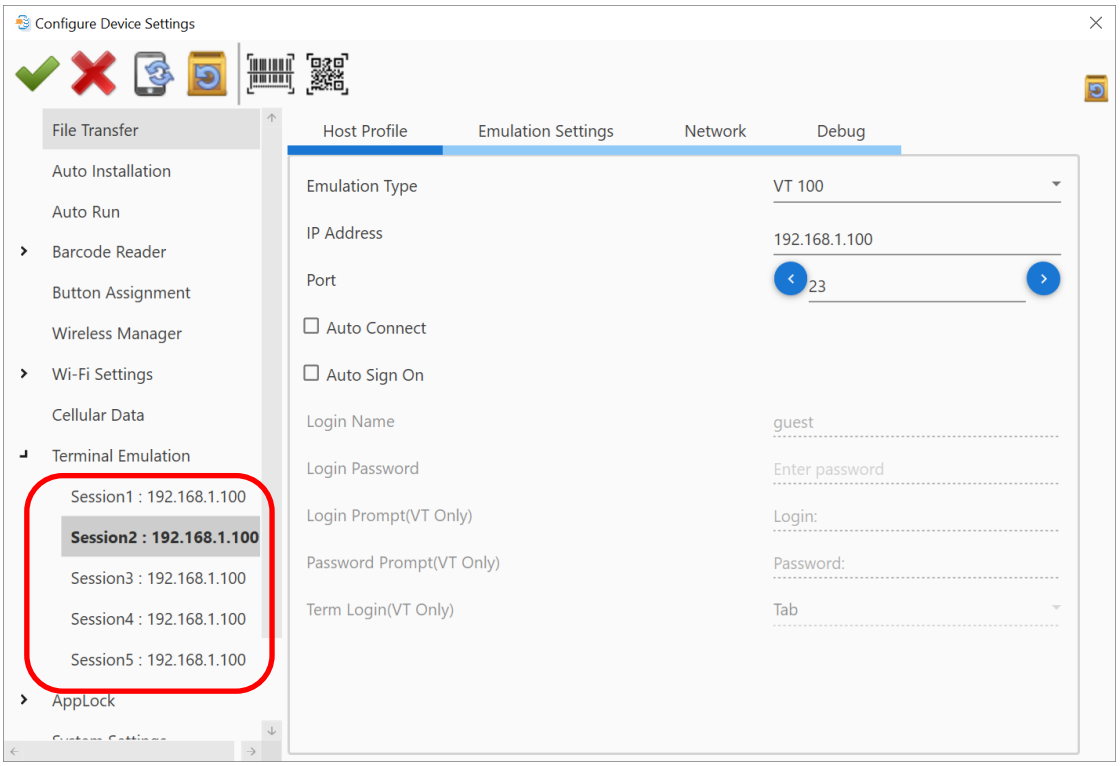
3) Click on "**Apply** " before you close the Configure Device Settings window.

2.6.11. TERMINAL EMULATION

Before you perform the synchronization by ADC, make sure Terminal Emulation has been launched on the device for at least one time.

1) Choose one host profile to set as an active profile. You can double-click on a host to enter the settings page of that specific host profile.





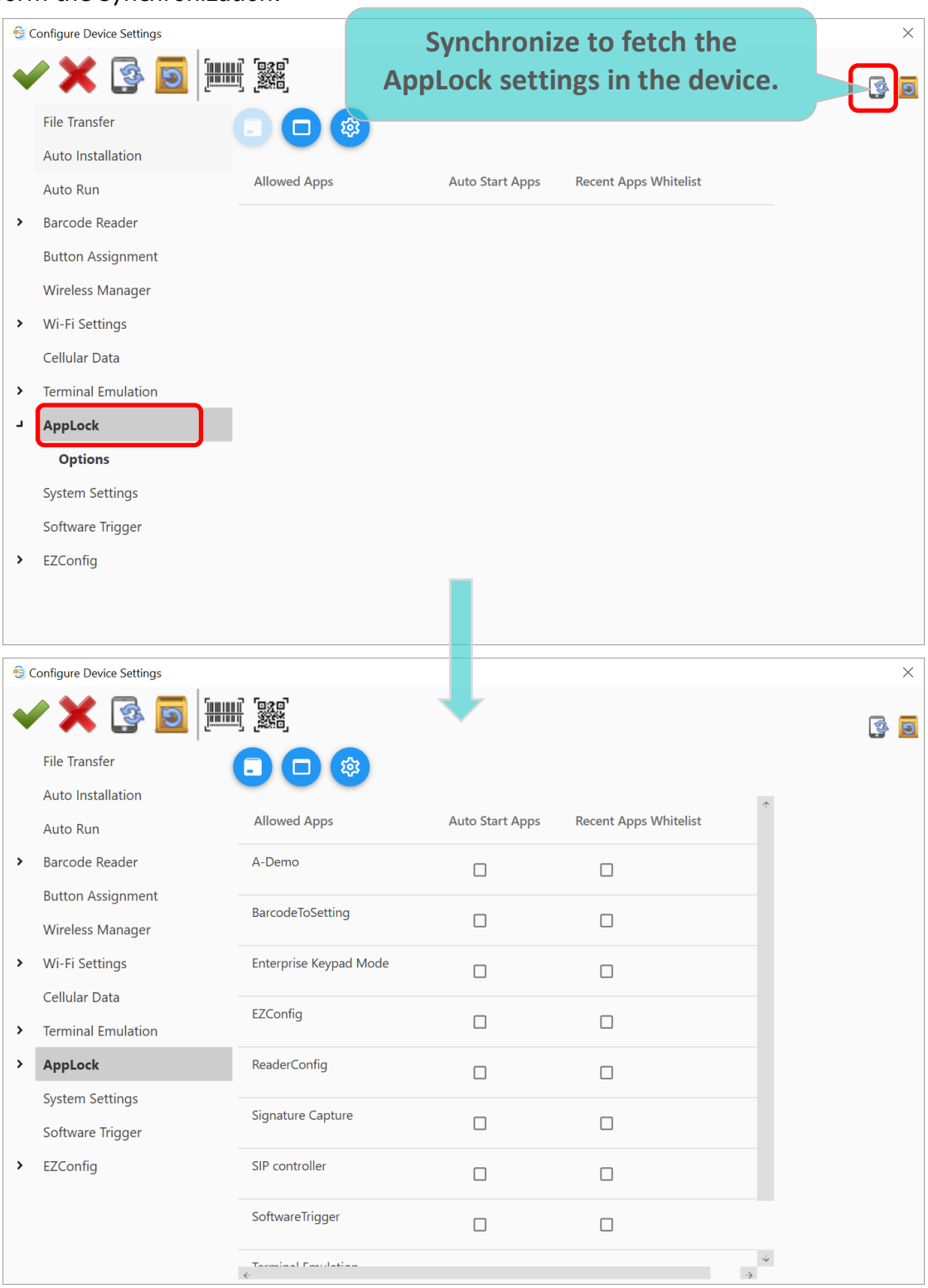
2) Click on "**Apply**  " before you close the Configure Device Settings window.

Note:

Emulation Settings involve key mapping with the physical keys of the device, thus the settings will vary by device model.

2.6.12. APPLOCK

For AppLock configuration, synchronize settings with your device first so that the applications and system settings can be imported to the white page. Please make sure AppLock application has been launched on the device for at least one time before you perform the synchronization.

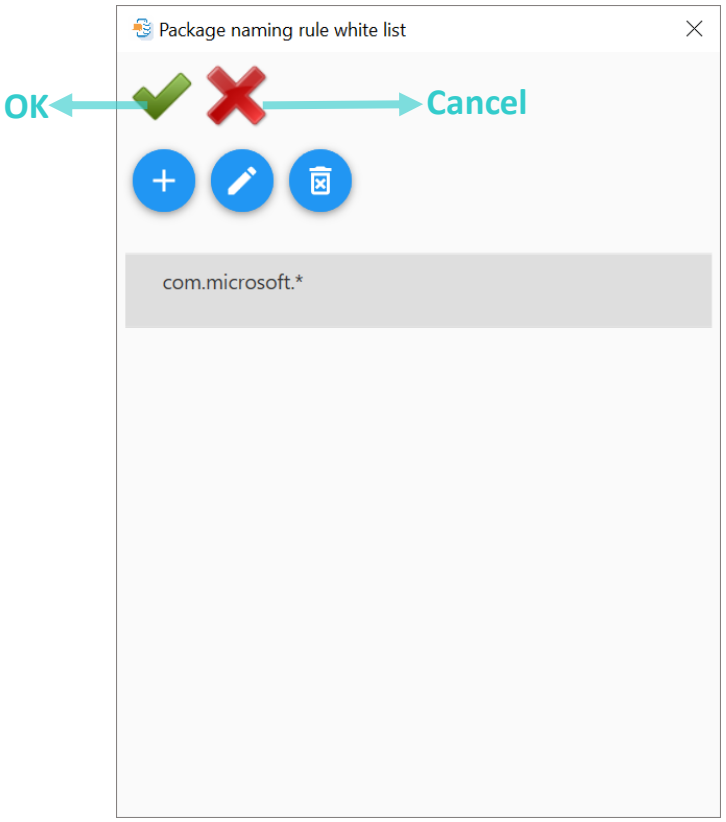


ADD PACKAGE NAMING RULE

"**Add Package Naming Rule**" is for administrator to set the naming rule to prescribe which apk (Android application package) can be manually installed by users and automatically added to "Allowed apps list" after installation.

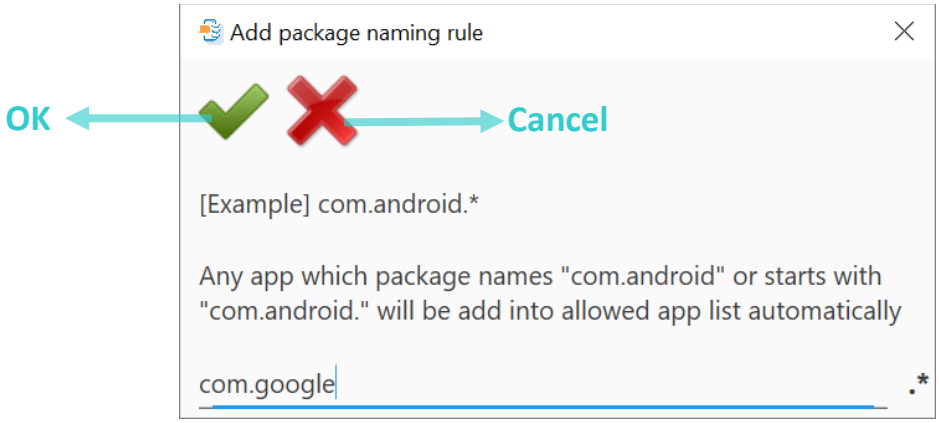
By adding your package naming rule, if users try to install the apk which doesn't match the rule, it will be blocked.

1) Click on "**Add Package Naming Rule**" to open the "**Package naming rule white list**" window:



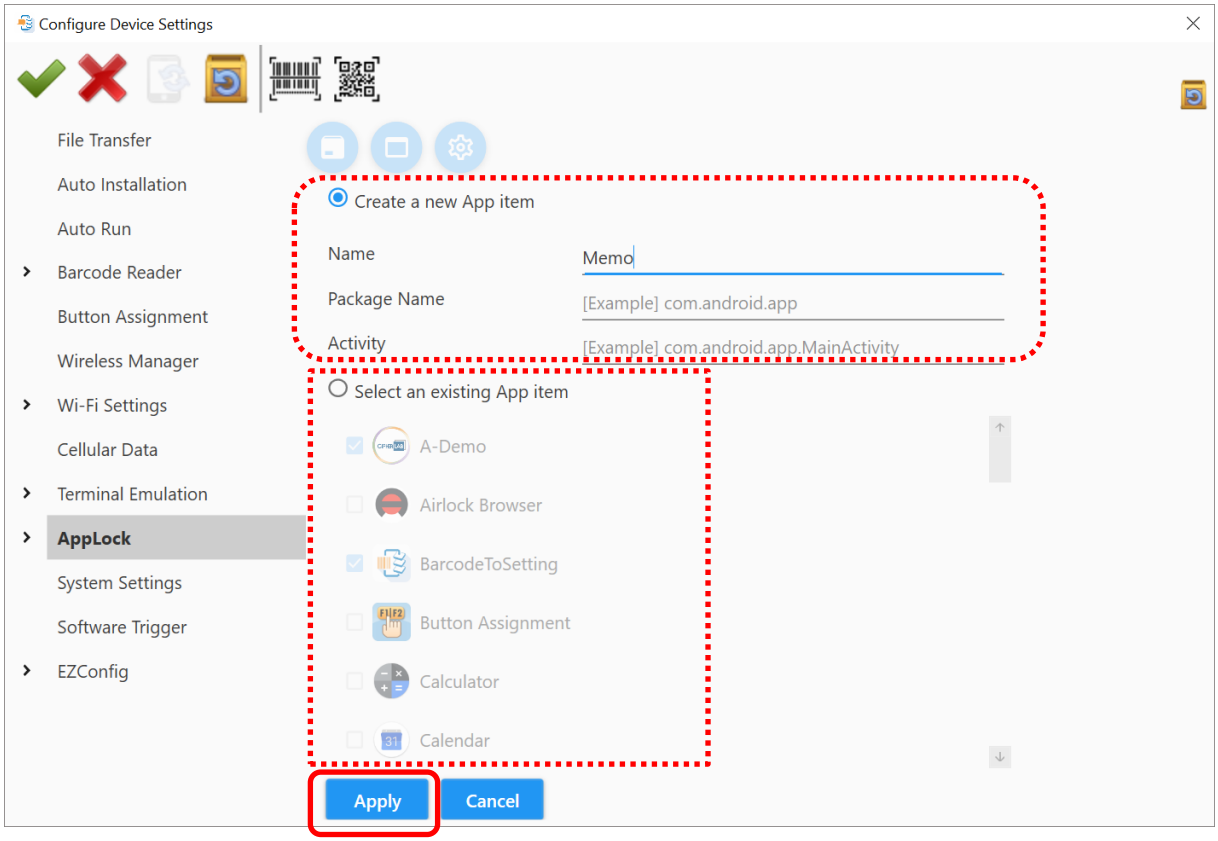
- **Add** – To add a new package naming rule.
- **Edit** – To edit the selected package naming rule.
- **Delete** – To delete the selected package naming rule.

2) "**Add**" or "**Edit**" a package naming rule and click "**OK**" to save the setting.

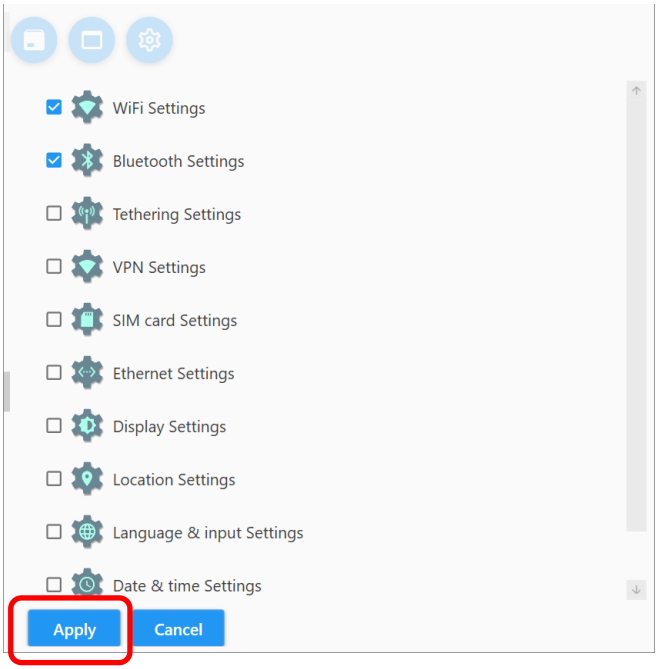


ADD APP & SHORTCUT

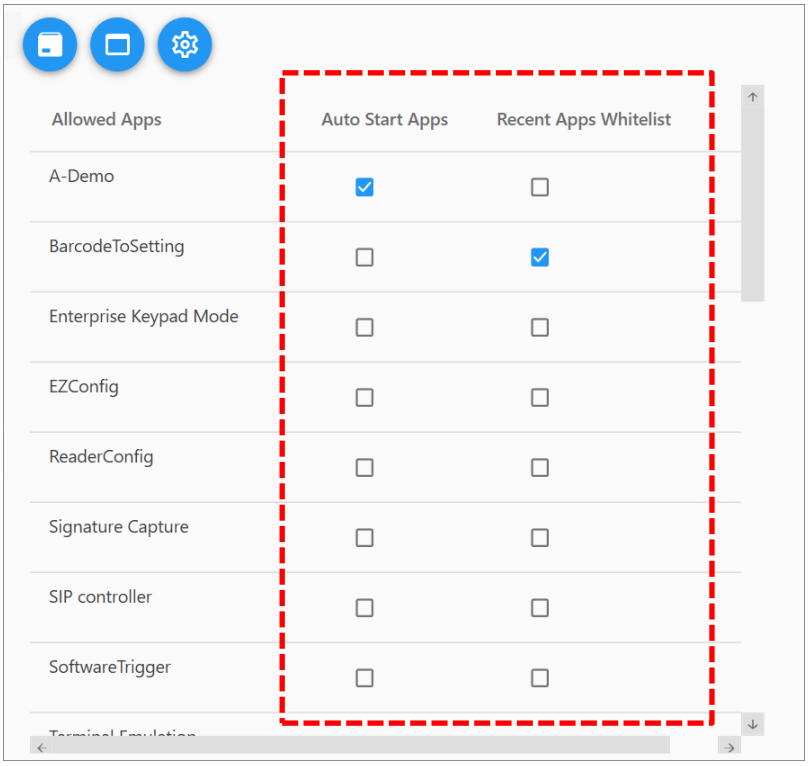
1) Click on "**Add App** ", choose "**Create a new App item**" to input app information. Or choose **"Select an existing app item**" to select from your desired apps. Click on "**Apply**" to save the settings.



2) To add shortcuts to settings, click on "**Add Shortcut** ", select the item and then click on "**Apply**" to save the settings.

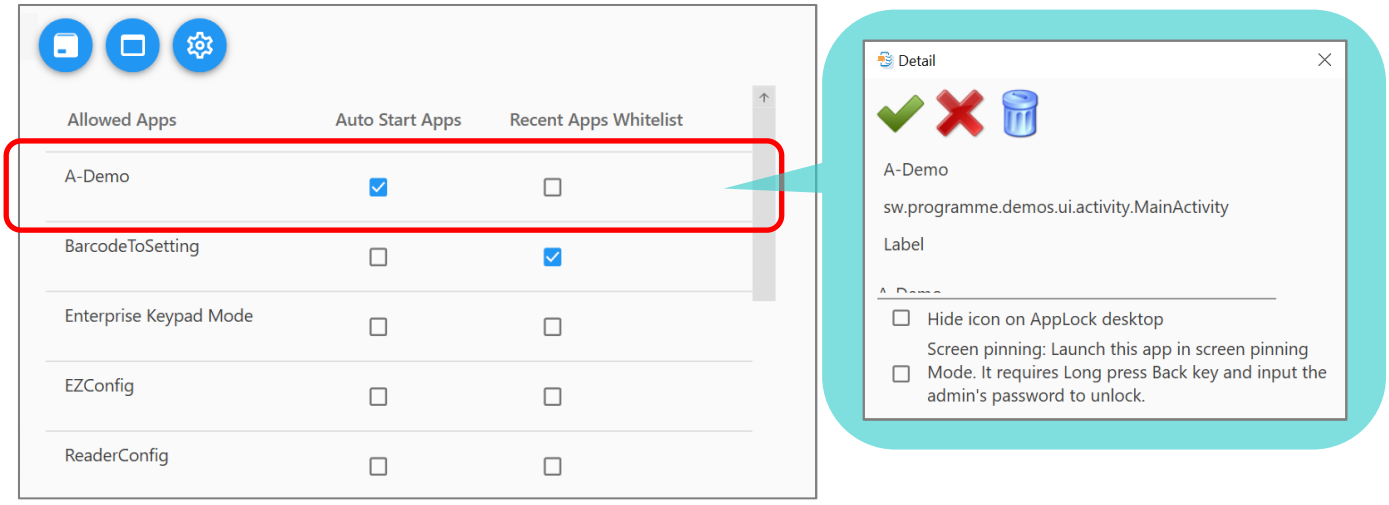


3) Back to the previous page, define if the chosen apps are going to be the **Auto Start Apps** or on **Recent Apps Whitelist**:



Item	Description
Auto Start Apps	Making the desired App(s) to automatically start when AppLock is launched on the mobile computer.
Recent Apps Whitelist	Selecting the applications to retain in the recent apps list.

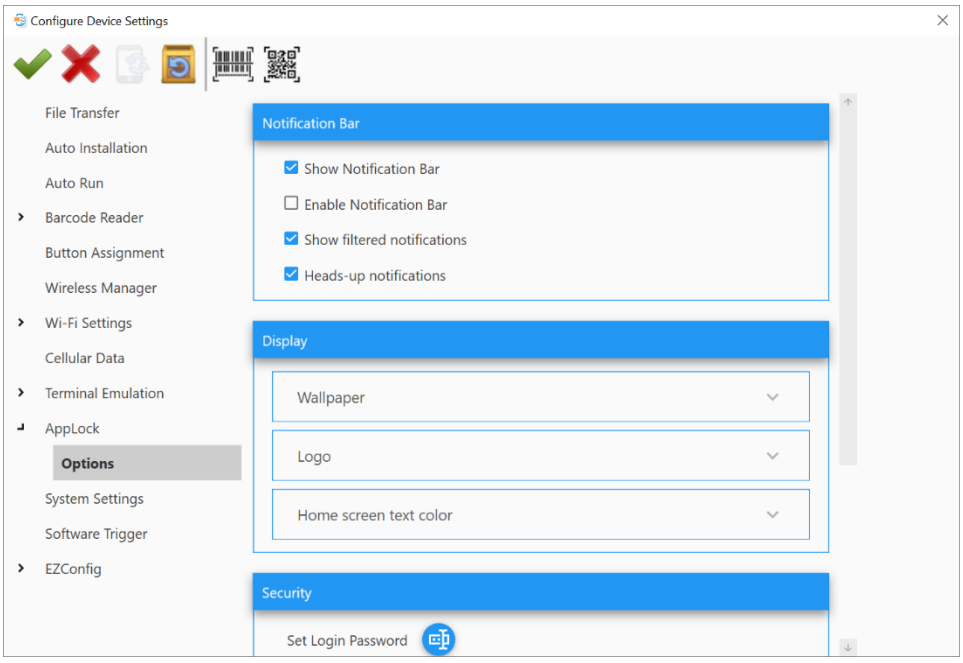
4) Double-click on the app you would like to edit to open its "**Detail**" window:



In "**Detail**" window, you may:

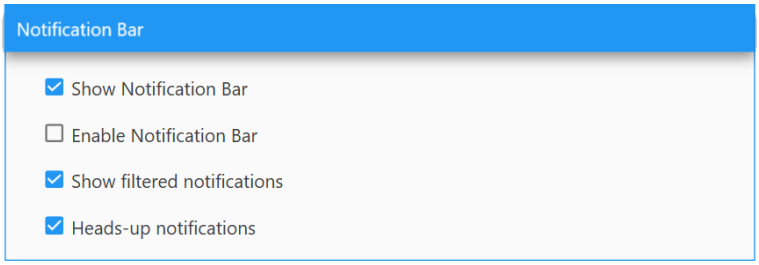
Item	Description
Apply	To click on Apply to save the settings and close the "Detail" window at the same time.
Delete	To delete the application from "Allowed Apps" list and close the "Detail" window at the same time.
Cancel	To directly close the "Detail" window without saving any changes.
Label	Input the new name for this app in the blank under Label to rename this app.
Hide icon on AppLock desktop	Determine whether this app on Allowed Apps list is visible in AppLock main screen. With "Hide icon on AppLock desktop" enabled, this app will not be shown AppLock main screen, but it is still operational as other apps displayed on Allowed Apps view.
Screen Pinning	Apps with "Screen Pinning" enabled cannot be exited or closed by tapping any hardware buttons in your devices or by any means, even if the application itself offers the quit/exit/leave function. The only way to unpin the screen-pinned application is to long press Back button and then input the admin password in the "Unpin Application" pop-up window.

5) Continue to finish advanced settings under **Options** if necessary.



6) Click on "**Apply** ✔" before you close the Configure Device Settings window.

OPTIONS – NOTIFICATION BAR



Show Notification Bar

Select whether to show the notification bar on the top of the screen of your device when the Home app is set to be AppLock. Use the notification bar to check battery status, wireless connection status, and system notifications.

Enable Notification Bar

Select whether to enable the notification bar of your device when the Home app is set to be AppLock. If it is enabled, the notification bar could be slid down to check & manage system notifications and open **Quick Setting Menu**. Also, all the notifications on the lock screen will be shown. If it is disable, the setting of "**Show filtered notifications**" takes control whether to block the notification bar and to show the notifications on the lock screen.

Show filtered notifications

"**Show filtered notifications**" is to determine whether showing the notifications of allowed apps, and this function only works when "**Enable Notification Bar**" is off. When "Show filtered notifications" is enabled, the status bar could be slid down to reveal notification drawer for checking the notifications from allowed apps only. The quick settings panel is unavailable as well as the quick setting tiles on it.

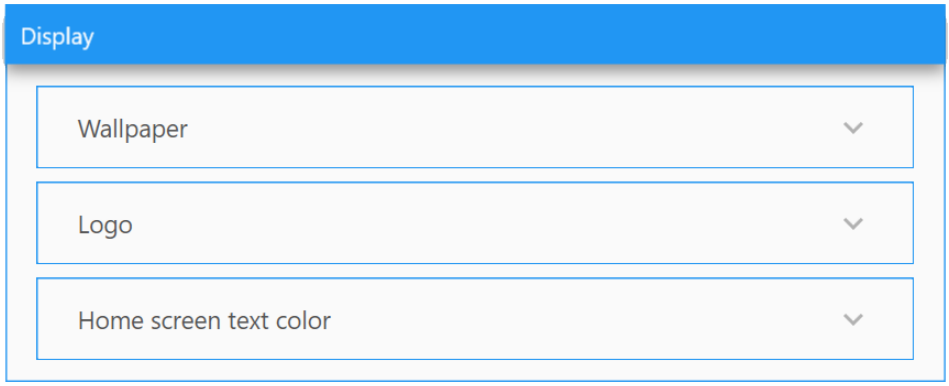
Heads-up notifications

Select whether to enable the head-up notifications to pop-up in your device when the Home app is set to be AppLock. If not, only notification icon will be shown in the notification bar. Please note that "Heads-up notifications" is not supported for RS30 mobile computer.

	Enable Notification Bar ON	Enable Notification Bar OFF	
		Show filtered notifications **ON**	Show filtered notifications **OFF**
Notification Bar	Notification bar can be slid down.	Notification bar could be slid down to reveal notification drawer.	Unable to slide down the notification bar.
Lock Screen	All notifications on the lock screen will be shown.	Only the notifications from Allowed apps will be shown.	No notifications will be shown on lock screen.

Note: The function "Heads-up notifications" is not supported for RS30 mobile computer.

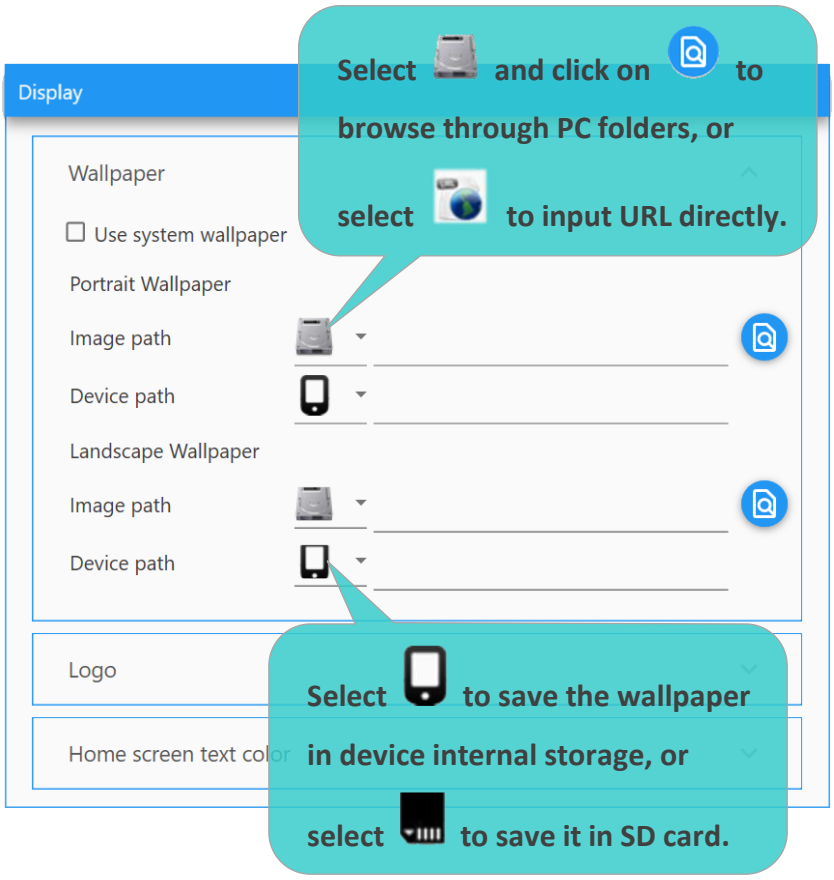
OPTIONS – DISPLAY



Click on each items to expand the subcategory for more settings:

Wallpaper

Select whether to **Use system wallpaper**. If not, you could set **Portrait Wallpaper** & **Landscape Wallpaper**. Please browse the wallpaper (bmp file, jpg file, or png file) from your PC or input URL directly, and designate the path (device internal storage or SD card) to save it to.



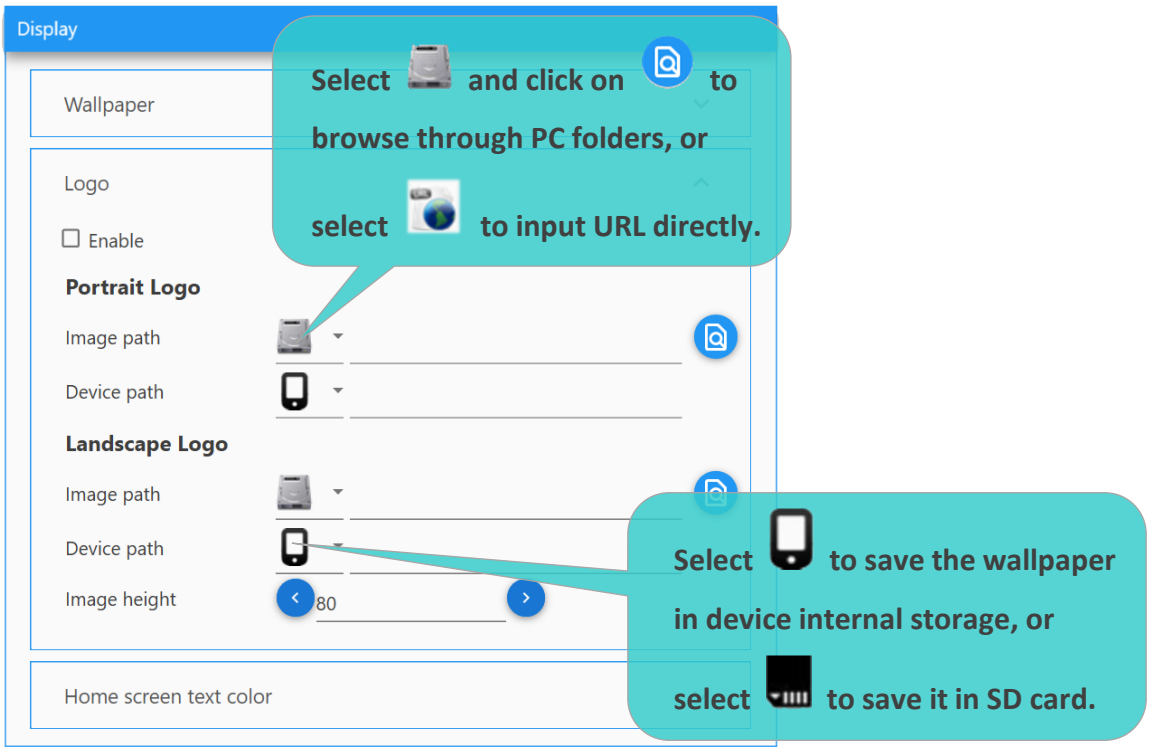
Item	Description
	Select the file from PC.
	Input the URL to download the file.
	Save the file in device internal storage.
	Save the file in SD card.
	To browse through the PC folder to find the file.

Logo

By ticking the checkbox "**Enable**", you can set the Logo to be shown in the main screen of AppLock.

Please browse the Logo (png file) from your PC or input URL directly, and designate the path (device internal storage or SD card) to save it to.

The **Image Height** could be set from 1 pixel to 270 pixels.



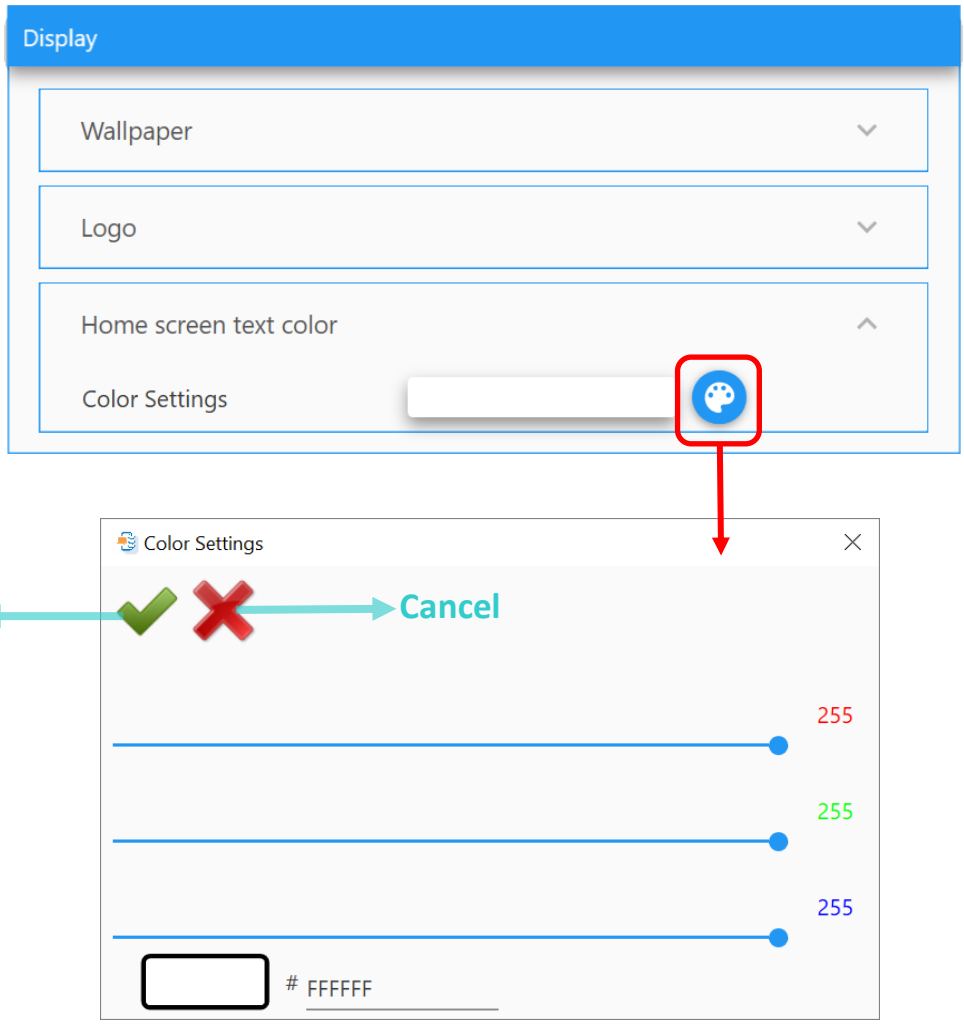
Item	Description
	Select the file from PC.
	Input the URL to download the file.
	Save the file in device internal storage.
	Save the file in SD card.
	To browse through the PC folder to find the file.
	Tune up the value of "Image Hight" whose range is from 1 pixel to 270 pixels.

Home screen text color

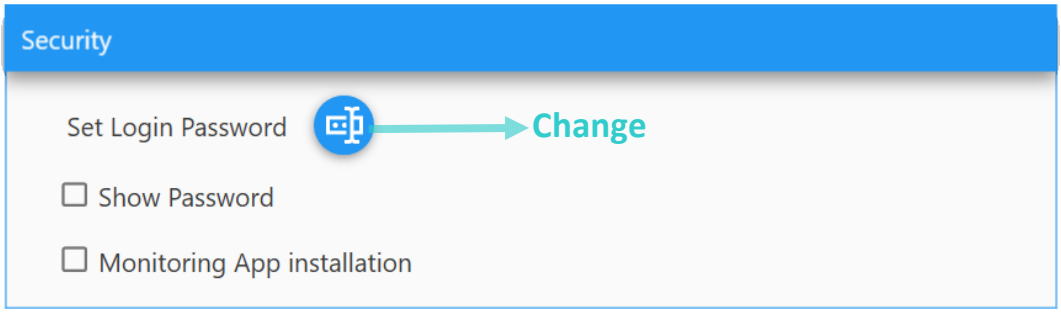
The default text color displayed on AppLock home screen is white whose RGB color is (255,255,255) and the color hex is #FFFFFF.

Click on "**Change** " to open "**Color Settings**" window where you can change the text color on AppLock home screen by dragging the RGB color sliders or directly input the color hex triplet (hexcode) to designate your home screen text color.

Make sure to click on "**OK** " to save the settings.



OPTIONS – SECURITY

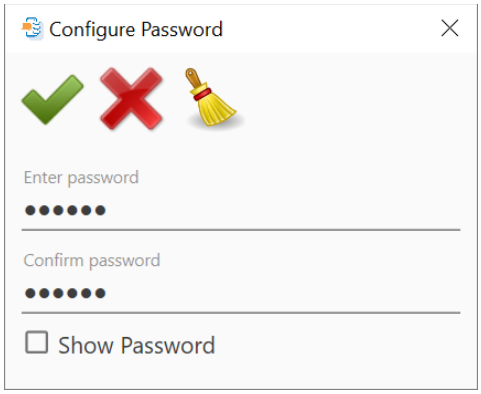


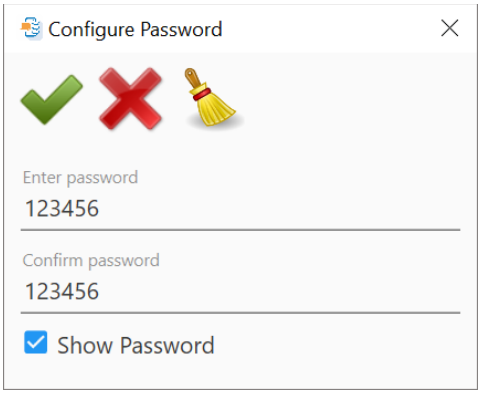
Set Login Password

Click "**Change**" button to open "**Configure Password**" window to set the login password for AppLock admin.

To make the inputted password visible, please tick up "**Show Password**" in "**Configure Password**" window.

Make sure to click on "**OK**  " to save the password setting.





Item	Description
	**OK:** Save the settings and close the "Configure Password" window.
	**Cancel:** Directly close the "Configure Password" window without saving any setting changes.
	**Clear Password:** Clear the password in both "Enter password" and "Confirm password" field.

Show Password

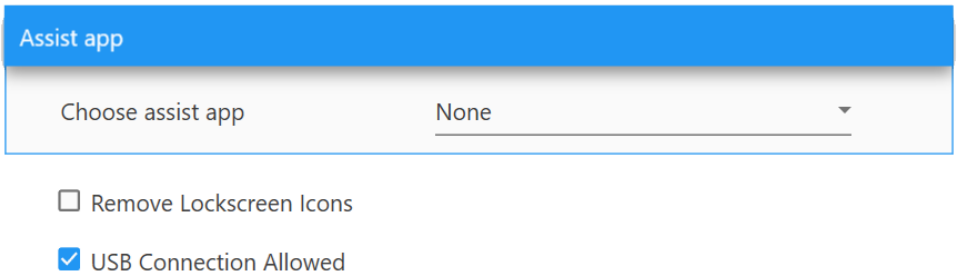
Select whether to show the entered password when logging in AppLock Admin mode.

Monitoring App Installation

Tick up to enable "**Monitoring App Installation**" which restricts AppLock users from installing any apk of the apps excluded from the "Allowed App" list.

The default setting of "Monitoring App Installation" is disabled. Users can install the apk of the disallowed app, but the app cannot be launched.

OPTIONS – ASSIST APP, REMOVE LOCKSCREEN ICONS, & USB CONNECTION ALLOWED



Assist App

Please synchronize with your device first to get the Assist app list from the device to ADC Client.

"**Choose the assist app**" from the drop-down menu, and the selected assist app could be opened by no matter Admin or users with long press Home button on the device when the Home app is set to be AppLock.

Remove Lockscreen Icons

Tick the checkbox to make the app shortcut on the Lockscreen of your device to be hidden.

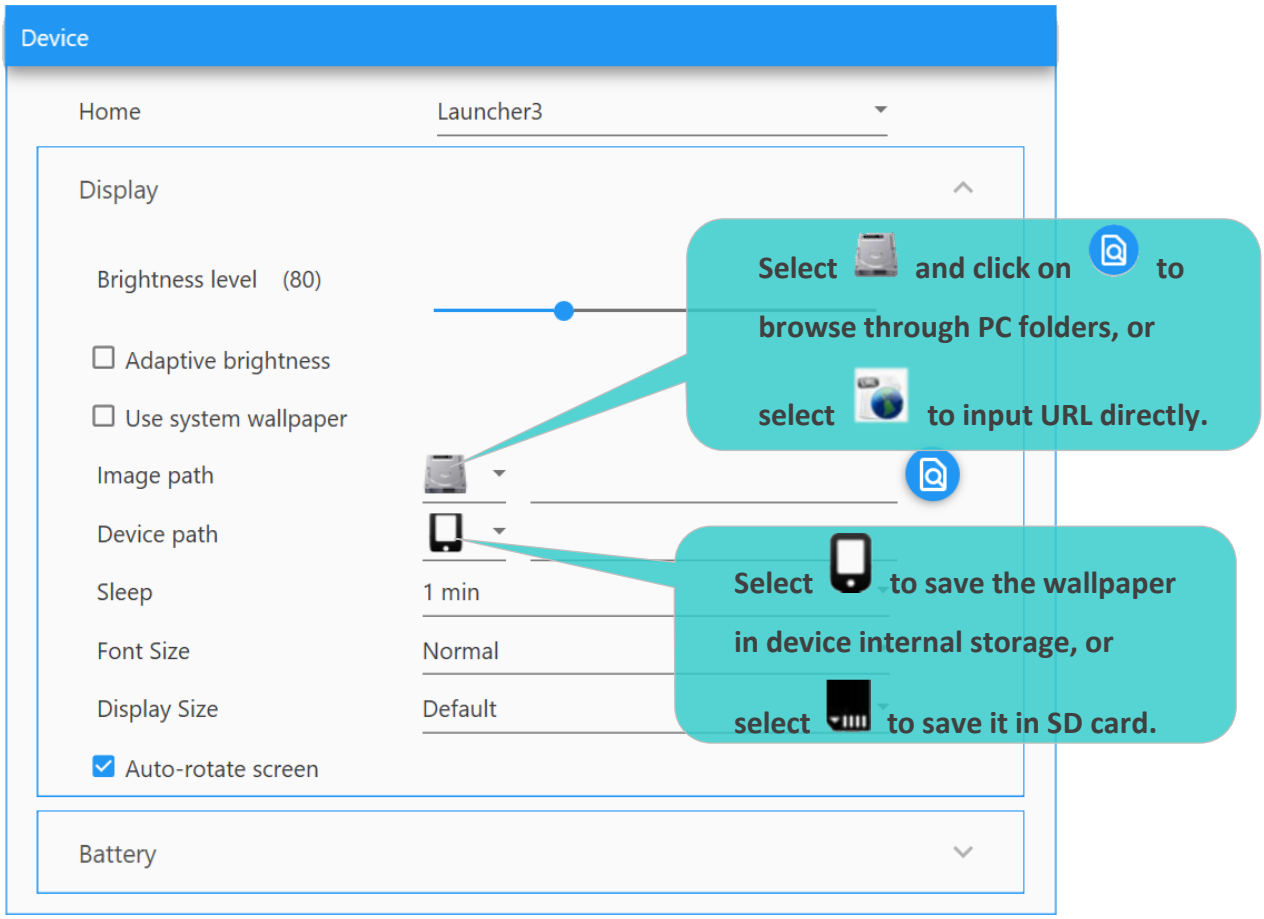
USB Connection Allowed

If "**USB Connection Allowed**" is enabled, the device is visible from PC client when it is connected with PC by USB cable, whereas it is invisible if "**USB Connection Allowed**" is unticked.

2.6.13. SYSTEM SETTINGS

In "**System Settings**" screen, click on each items to expand the subcategory for more settings:

DEVICE



Item	Description
	Select the file from PC.
	Input the URL to download the file.
	Save the file in device internal storage.
	Save the file in SD card.
	To browse through the PC folder to find the file.

- **Home**

  Select Launcher or AppLock to be Home app.

- **Brightness level**

  Dragging the slider to the right to increase brightness, or left to reduce brightness.

- **Adaptive brightness**

  Select whether adjust the device backlight automatically with the mobile computer's built-in sensor by tick or untick.

- **Use system wallpaper**

  Select whether to use the system wallpaper or not.

- **Image path**

  If "Use system wallpaper" is unticked, you could select the wallpaper (file in bmp., jpg., or png. format) from PC by click browse button, or directly input URL.

- **Device path**

  If "Use system wallpaper" is unticked, please input the designated path in device to save the wallpaper from PC client.

- **Sleep**

  Select the time lapse for screen timeout.

- **Font Size**

  Select the font size between Small, Normal, Large and Largest.

- **Display Size**

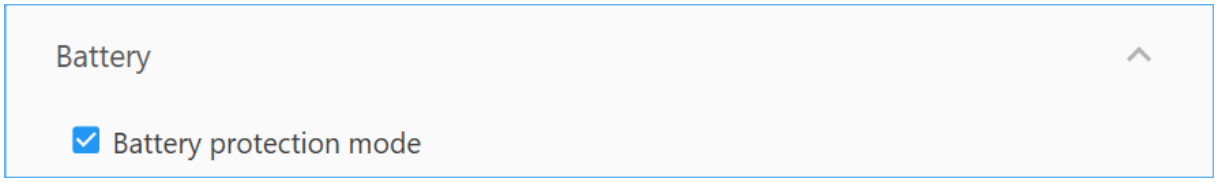
  Select the display size from Small, Default, and Large.

- **Auto-rotate screen**

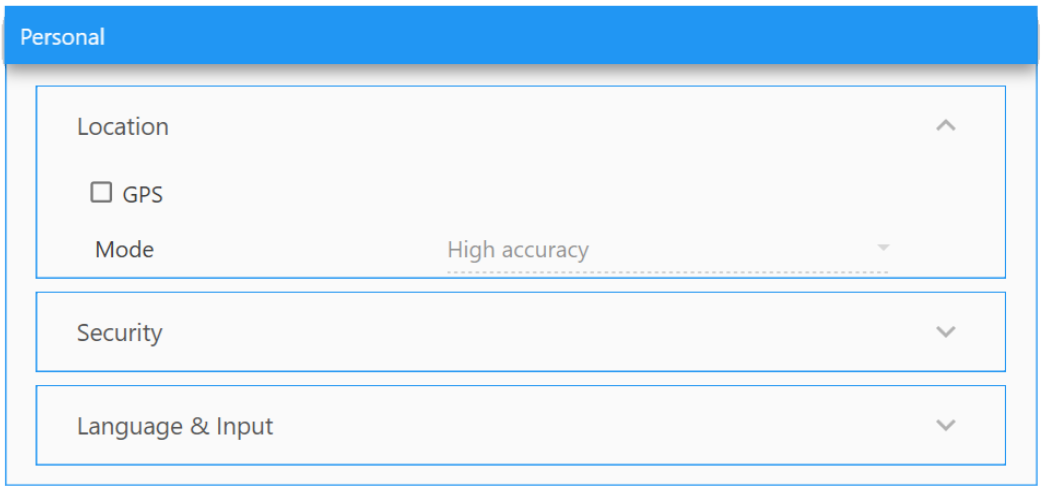
  Select whether to enable automatically screen rotation when the device is turned sideways.

- **Battery**

  Select whether to enable "**Battery protection mode**".



PERSONAL

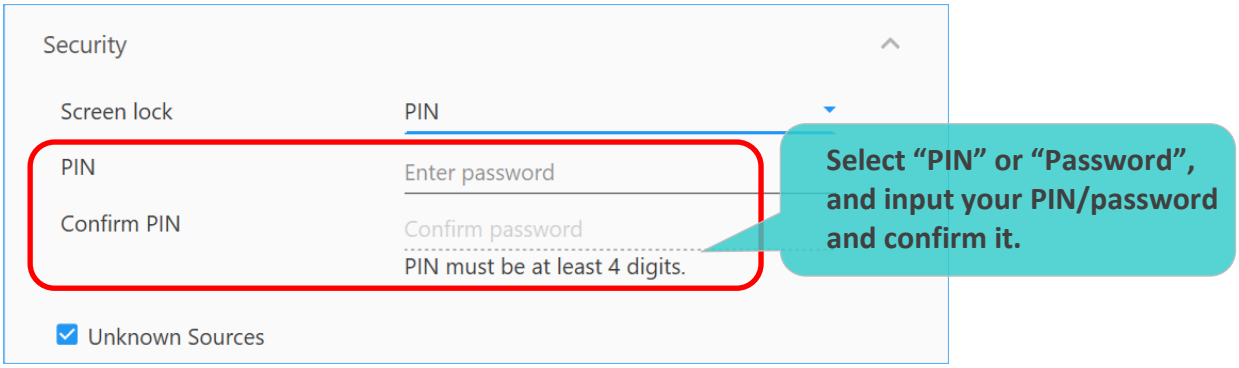


Location

By ticking up "**GPS**", you could further select the mode between "**High accuracy**", "**Battery saving**", and "**Device only**".

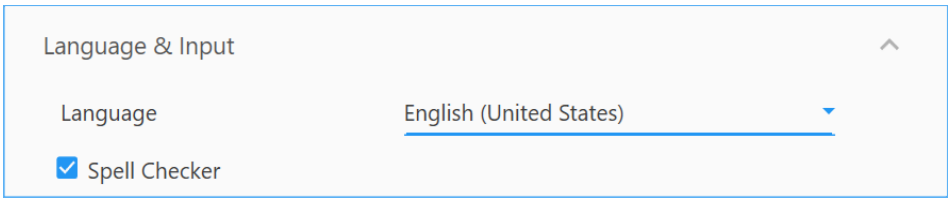
Security

Select "**None**", "**Swipe**", "**PIN**", or "**Password**" for Screen lock. By choosing "**PIN**" or "**Password**", you could further input password and confirm it in the fields below.



Ticking up "**Unknow Sources**" will allow installation of apps from unknown sources.

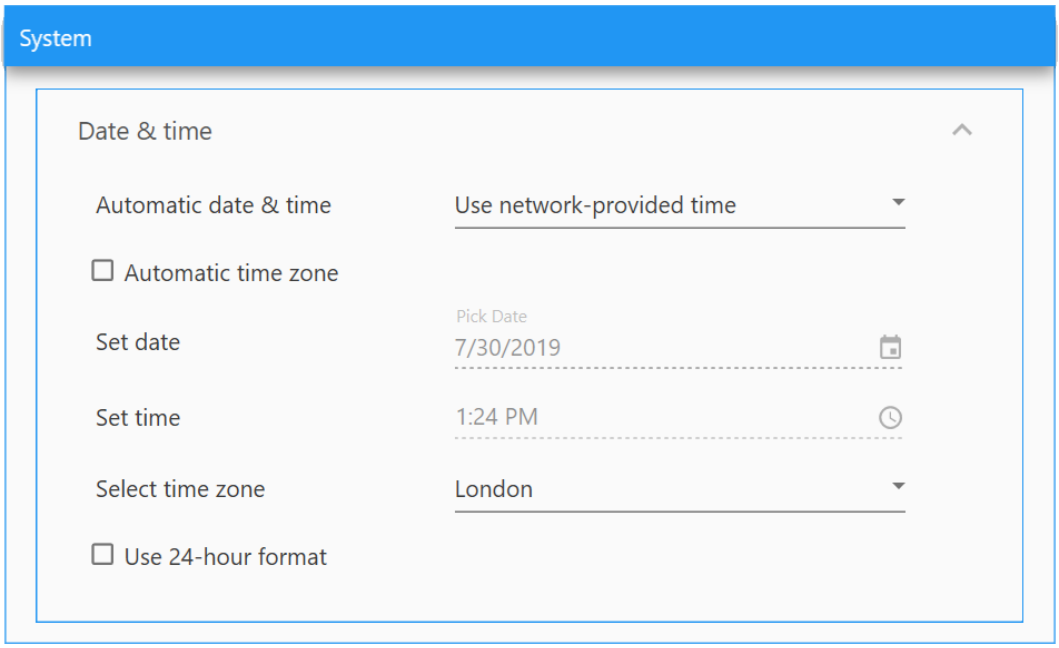
Language & Input



Select the desired system language.

By enabling "Spell Checker", a list of suggested words will be shown as you type on your device.

SYSTEM



Automatic date time

By turning **Off** this function, you could manually set the date & time.

Automatic time zone

By unticking this function, you could manually select the time zone.

Set date & time

Manually set the date & time.

Select time zone

Manually select the time zone.

Use 24-hour format

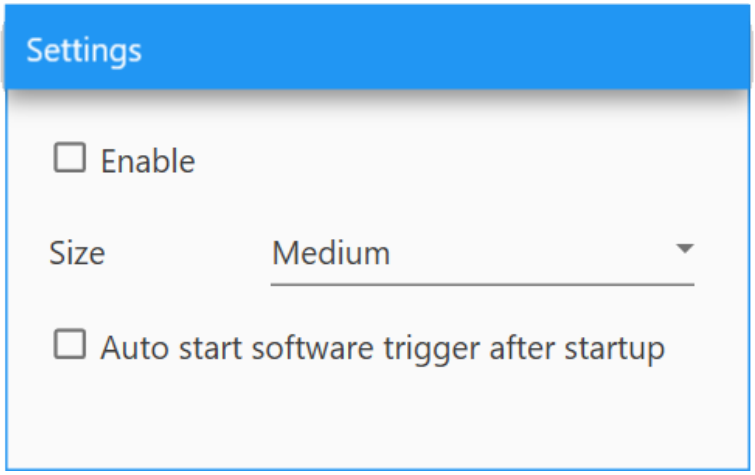
By ticking this option, time format will convert from 12-hour to 24-hour.

NTP Server

Input the address of the NTP server, and make your devices automatically synchronize with this designated NTP server.

2.6.14. SOFTWARE TRIGGER

"**Softeware Trigger**" is an application which serves as a real trigger key on your device, and it floats on top of all other programs for convenient trigger control of the barcode scanner.



- **Enable**

  Tick up to enable "**Softeware Trigger**" on the deices.

- **Size**

  Resize the **Software Trigger** virtual button by selecting between "**Small**", "**Medium**", and "**Large**".

  The default setting is "**Medium**".

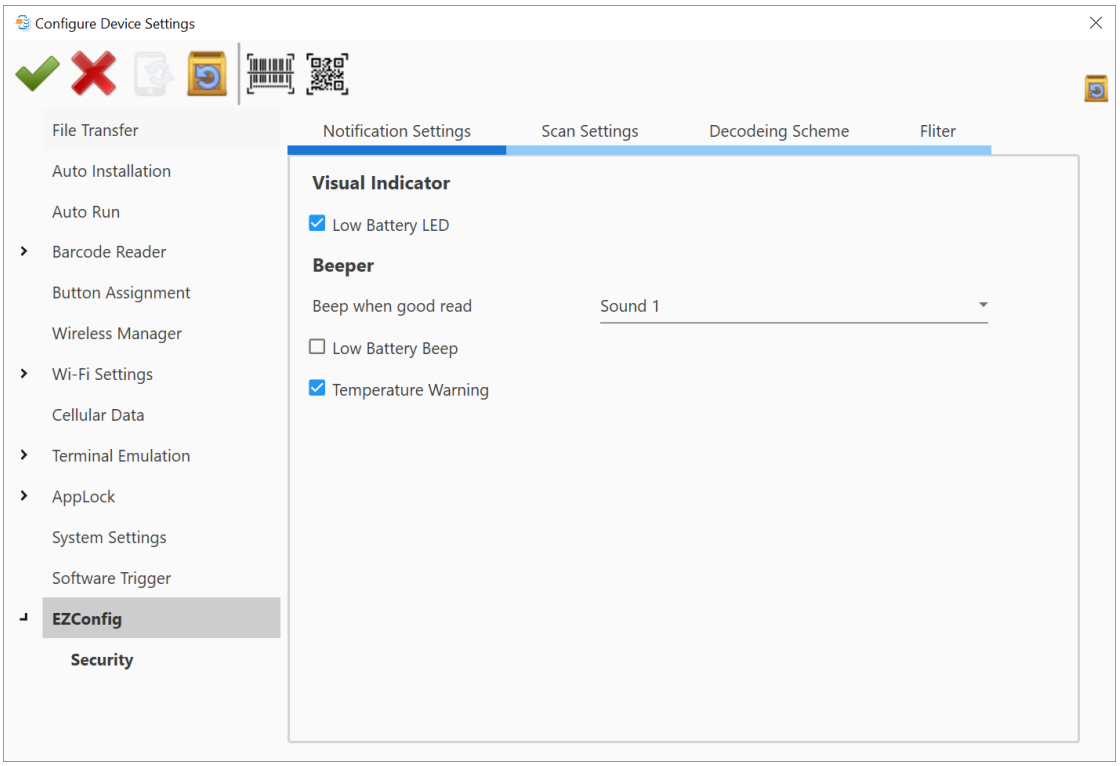
- **Auto start software trigger after startup.**

  Select whether to automatically start "**Softeware Trigger**" on device boot up.

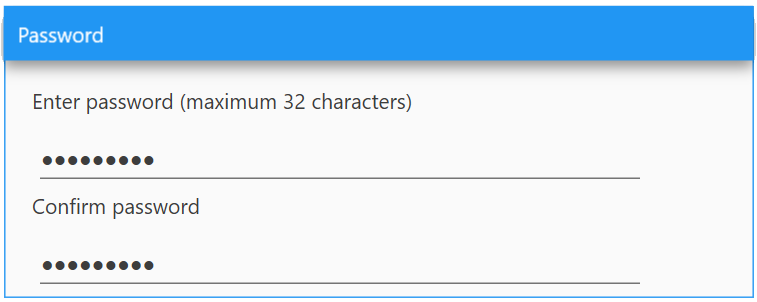
Make sure to click on "**Apply** ✔" before you close the Configure Device Settings window.

2.6.15. EZCONFIG

EZConig is a built-in UHF RFID application which is for CipheLab RK25 mobile computer to works with RK25 UHF RFID Reader to read RFID tags.

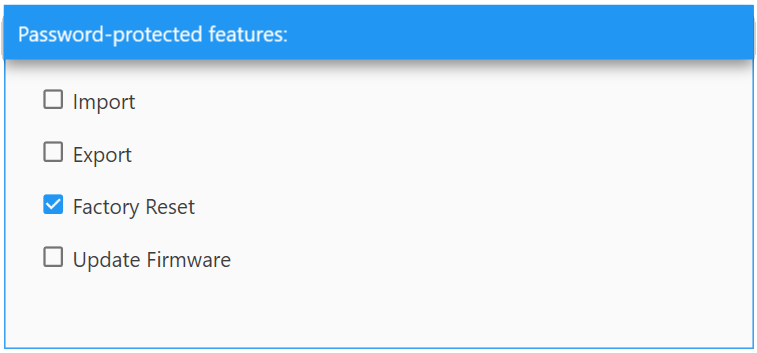


Go through each tab page for detailed settings, and set the password in "**Security**" under "**EZConfig**" to restrict other users from changing certain configurations or accessing certain functions in EZConfig on the device.



Password

Enter and confirm your password for **EZConfog**.



Pasword-protected features

Tick up the checkbox of the functions to be protected by the password to make the selected functions to be unavailable after you log out **EZConfig**.

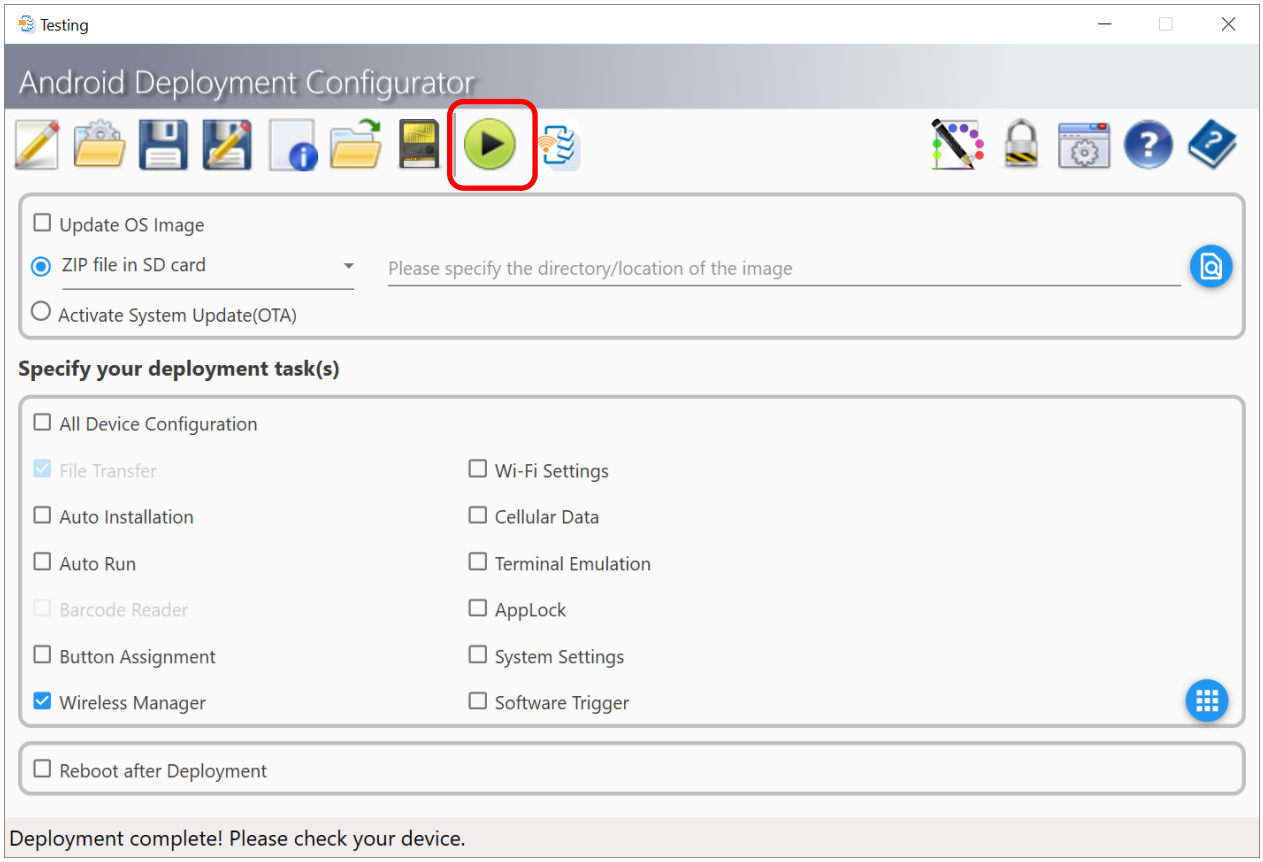
To access the protected functions, please log in with the password.

2.7 DEPLOY ALL SETTINGS TO DEVICES

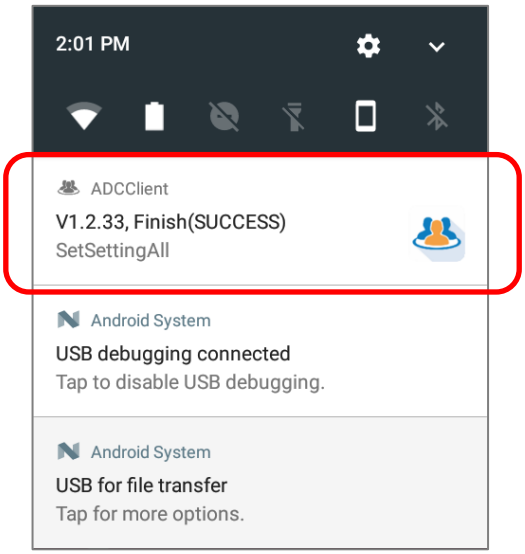
Once you finish configurating all the settings, please follow the steps to proform the deploying:

1) Connect your devices with your PC. Please make sure that the debugging mode is enabled. (Please refer to How Do I Enable Debugging Mode on My Device?)

2) Click the **Deploy** button:



3) After completing the deploying, a notification is shown on your device:



BARCODE TO SETTING

BarcodeToSetting helps you to easily configure all your mobile computers by generating settings barcodes to be scanned by the devices. The configurations of **Auto Run**, **Barcode Reader**, **Button Assignment**, **Wireless Manager**, **Wi-Fi**, **Cellular Data**, **Terminal Emulation**, **AppLock**, and **system settings** could be exported and generated as barcodes. By scanning the barcodes with your devices, the aforesaid configurations could be applied to the mobile computers.

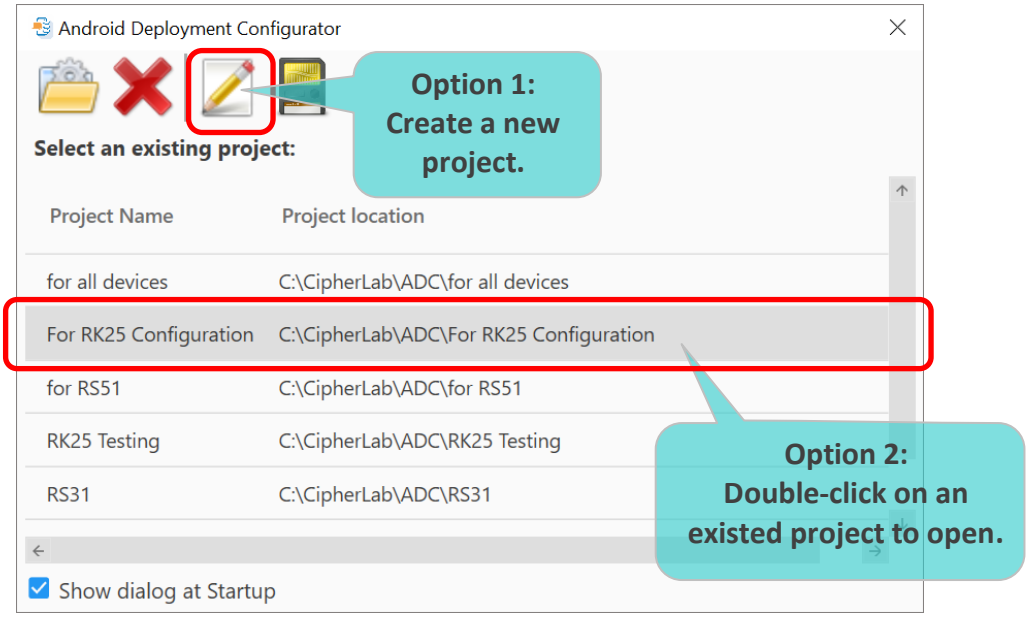
IN THIS CHAPTER

3.1 Getting Started 90
3.2 Auto Run 92
3.3 Barcode Reader 95
3.4 Button Assignment 98
3.5 Wireless Manager 103
3.6 Wi-Fi Settings 105
3.7 Cellular Data 108
3.8 Terminal Emulation 110
3.9 AppLock 113
3.10 System Settings 116
3.11 Software Trigger 119
3.12 EZConfig 121

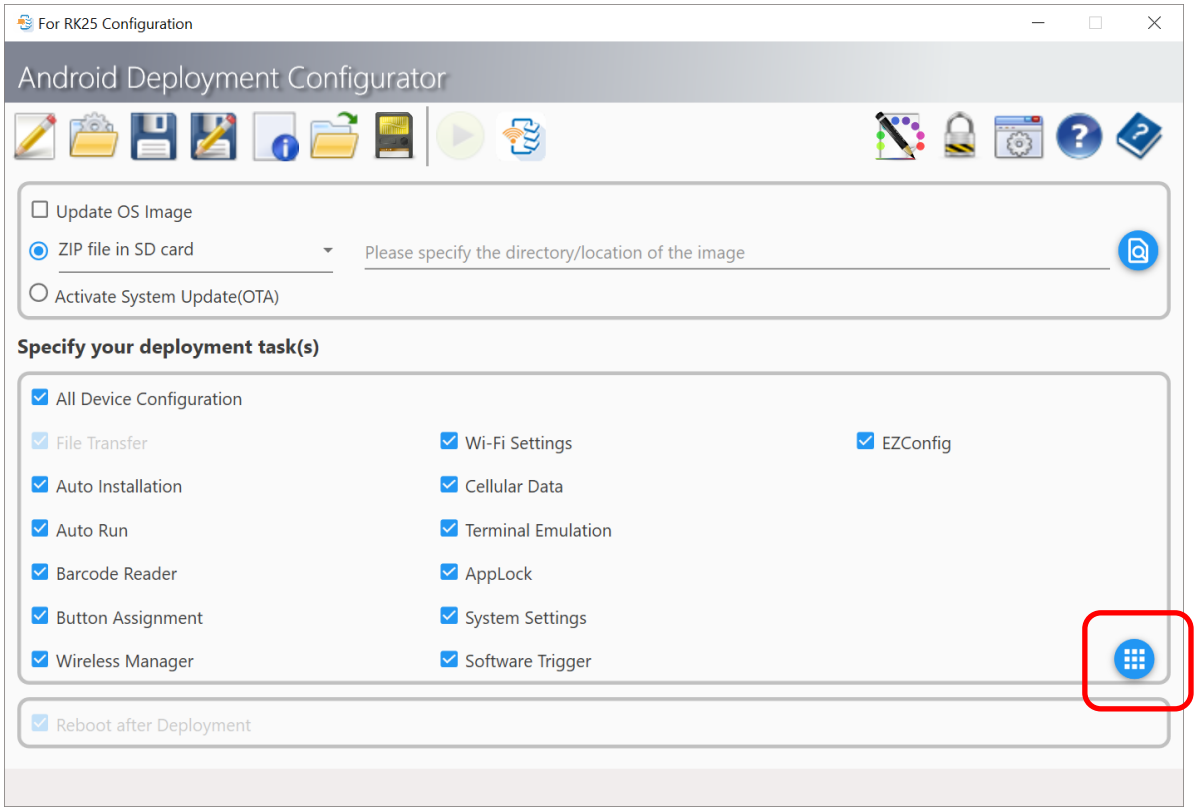
3.1 GETTING STARTED

To export certain configurations from **ADC** (**Android Deployment Configurator**) to your devices without USB connection, please follow the steps:

1) Open "**Android Deployment Configurator**", and select the existed project name to open, or create a New Project.

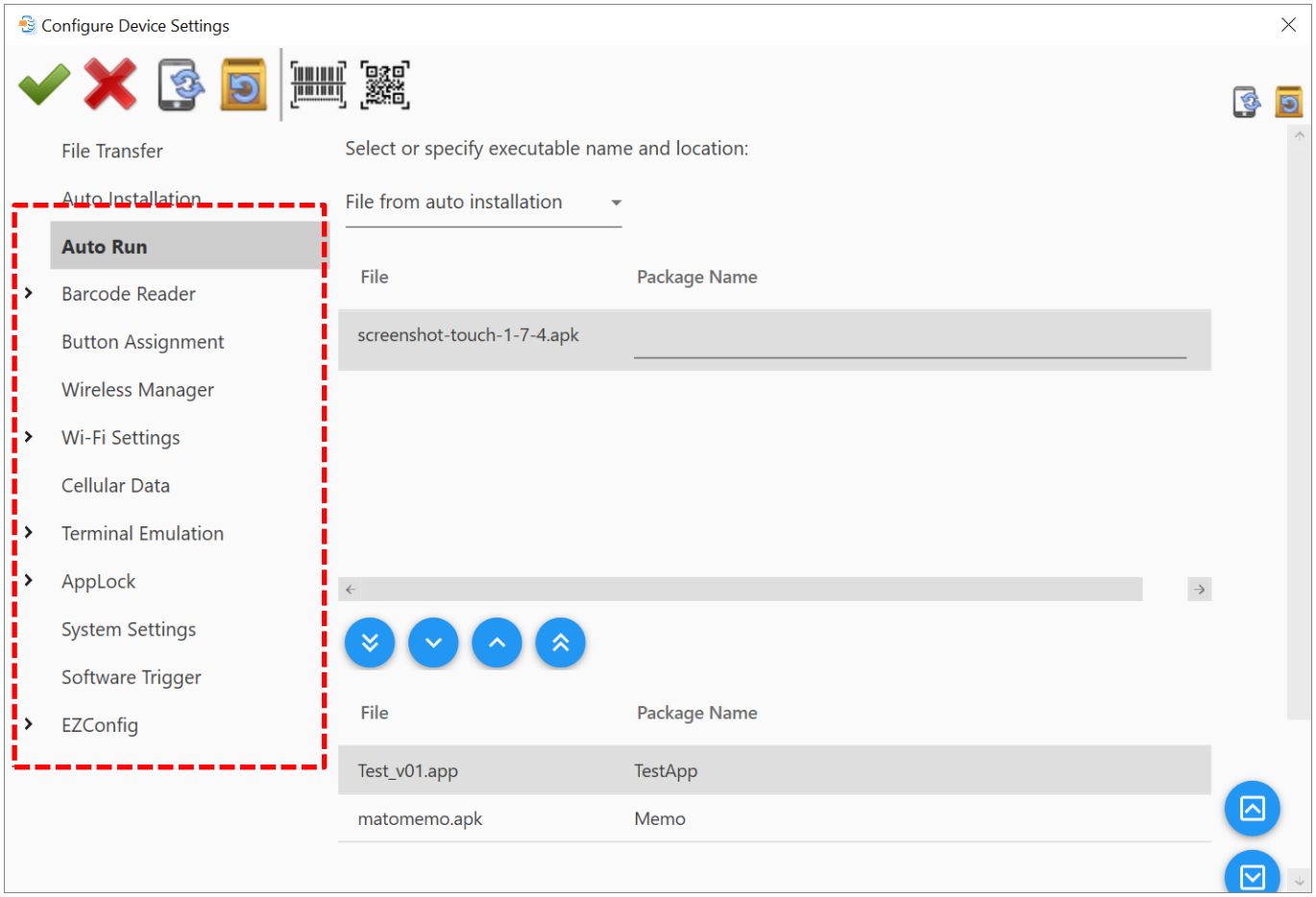


2) In **Specify your deployment task(s)** area of the main screen, click the blue button "**Configure…**" to open "**Configure Device Setting**" window.



3) The settings of those functions listed below are available for you to export by generating barcodes which could be scanned by your devices:

- **Auto Run**
- **Barcode Reader**
- **Button Assignment**
- **Wireless Manager**
- **Wi-Fi Settings**
- **Cellular Data**
- **Terminal Emulation**
- **AppLock**
- **System Settings**
- **Software Trogger**
- **EZConfig**

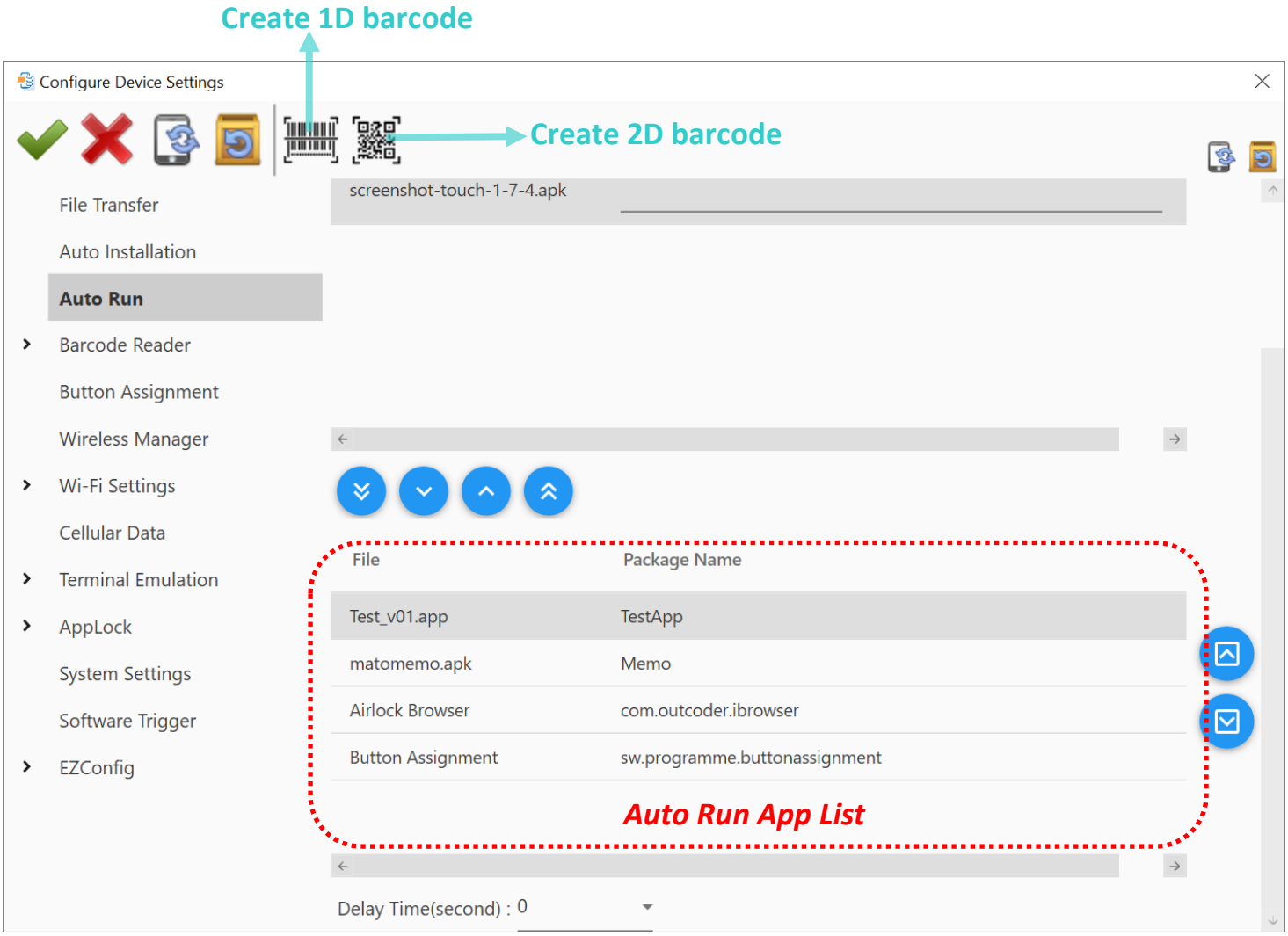


3.2 AUTO RUN

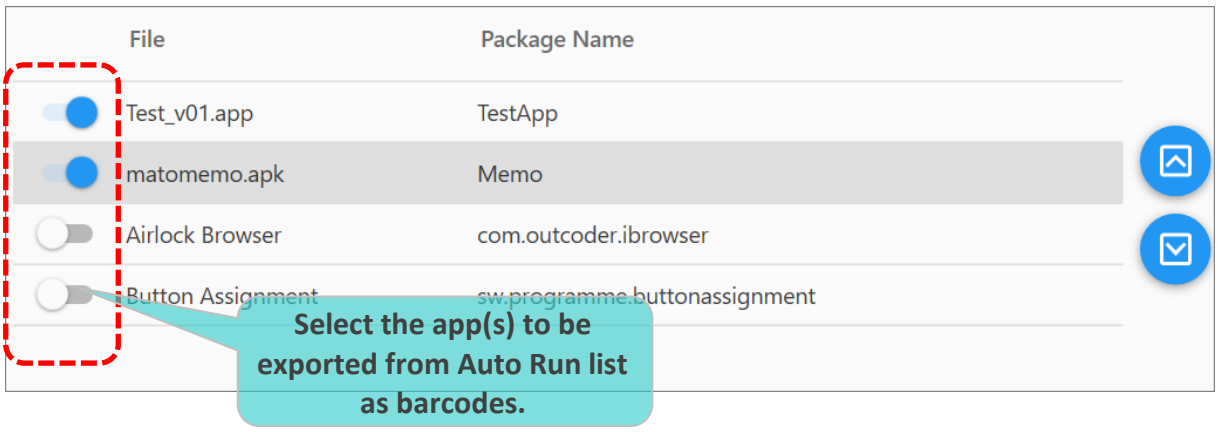
Through Auto Run, some specific programs could be executed automatically when the device restarts. Please refer to Auto Run for configurations details.

1) Select the programs to be automatically executed to the list below:

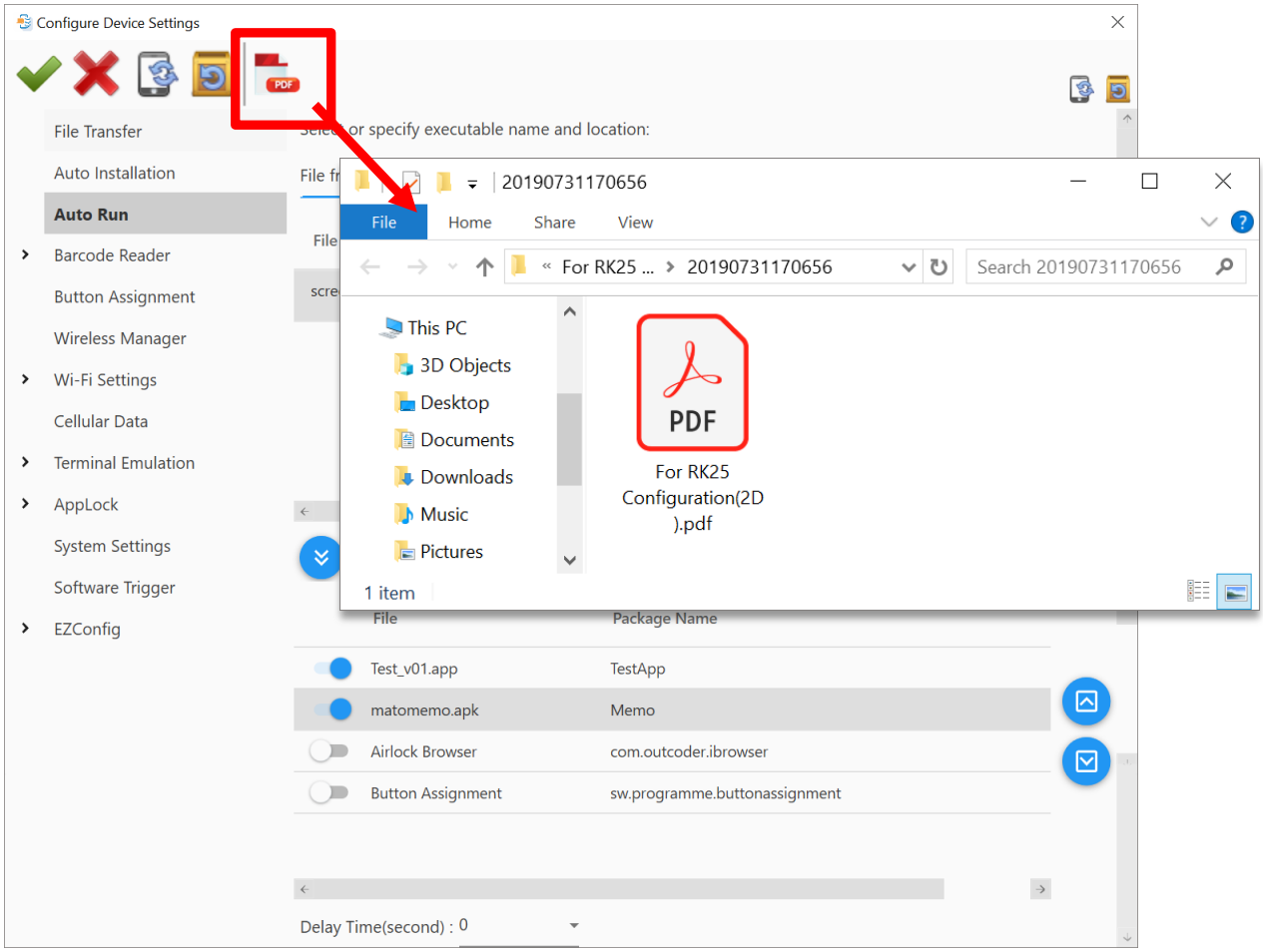
2) Depending on the barcode type to be generated, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:



3) Select the app(s) to be exported from auto run app list.
The auto run app list is still configurable in this step.

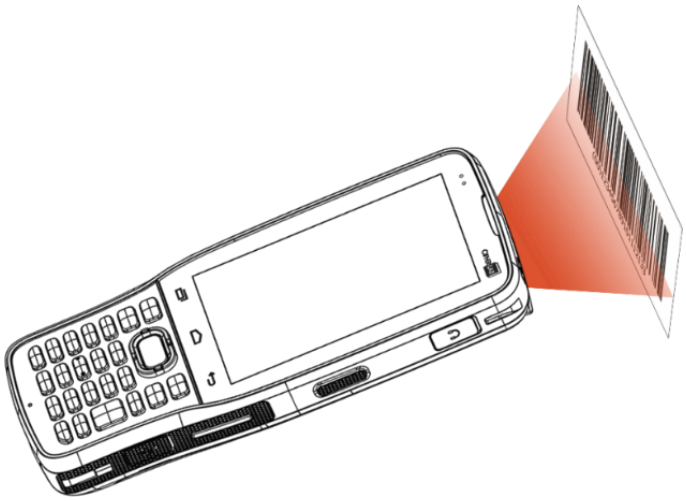


4) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

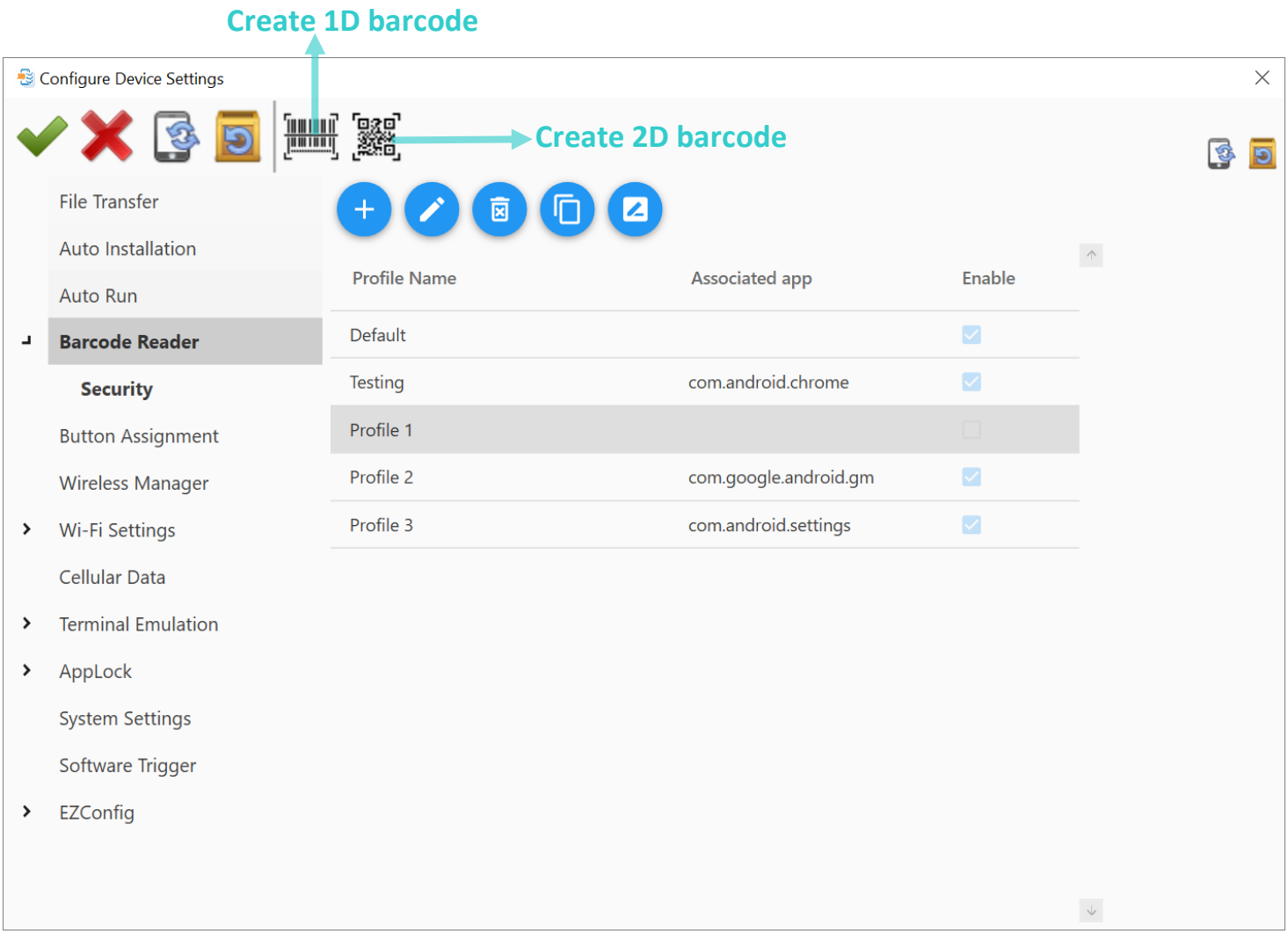
5) Print out the barcodes for your mobile computers to sequentially scan to apply the configurations.



3.3 BARCODE READER

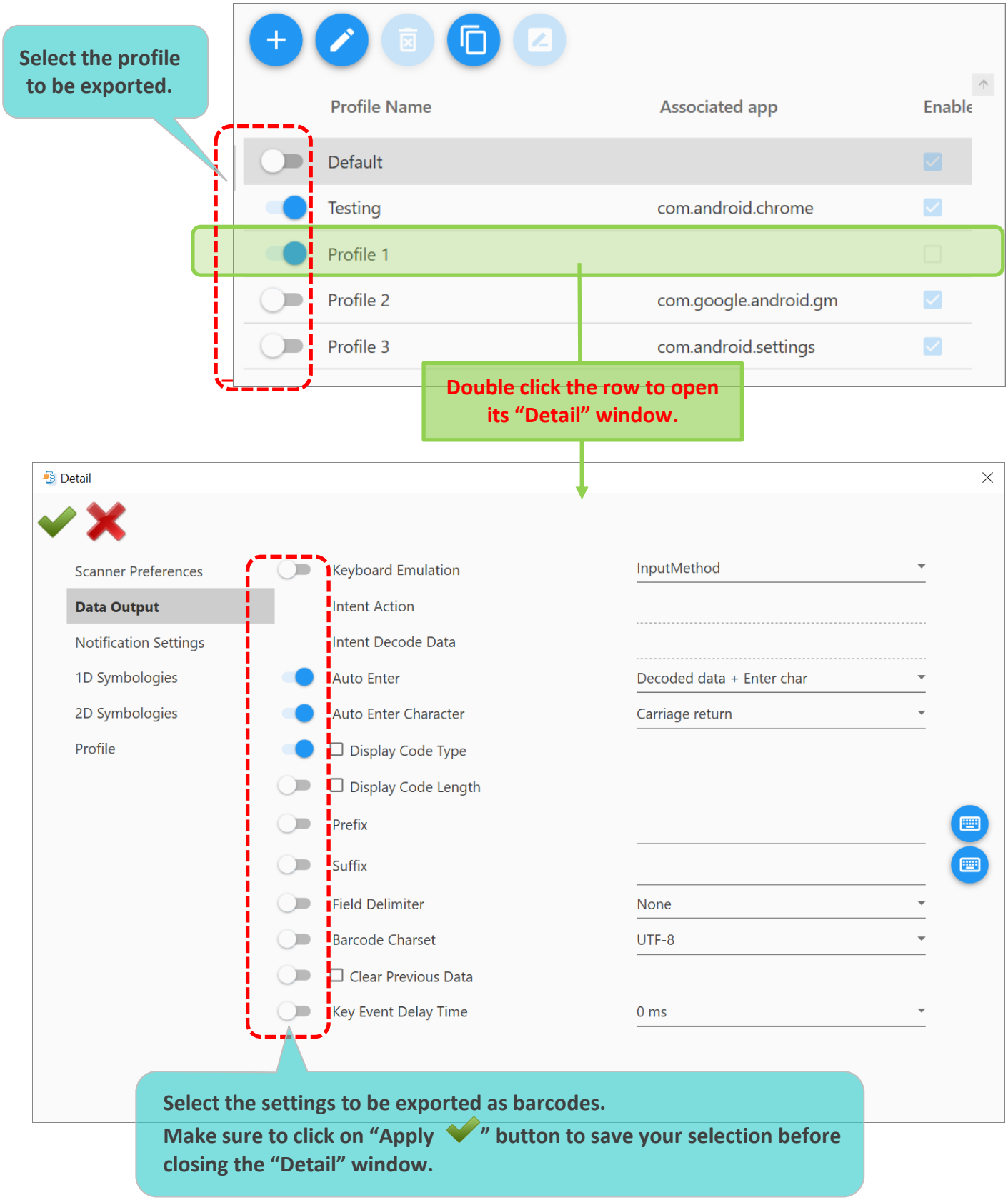
1) Please refer to Barcode Reader for craeting profiles and configuring the barcode reader settings of **Scanner Preferences**, **Notification**, **Data Output**, **1D Symbologies**, **2D Symbologies**, **Profile**, and **Security**.

2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:

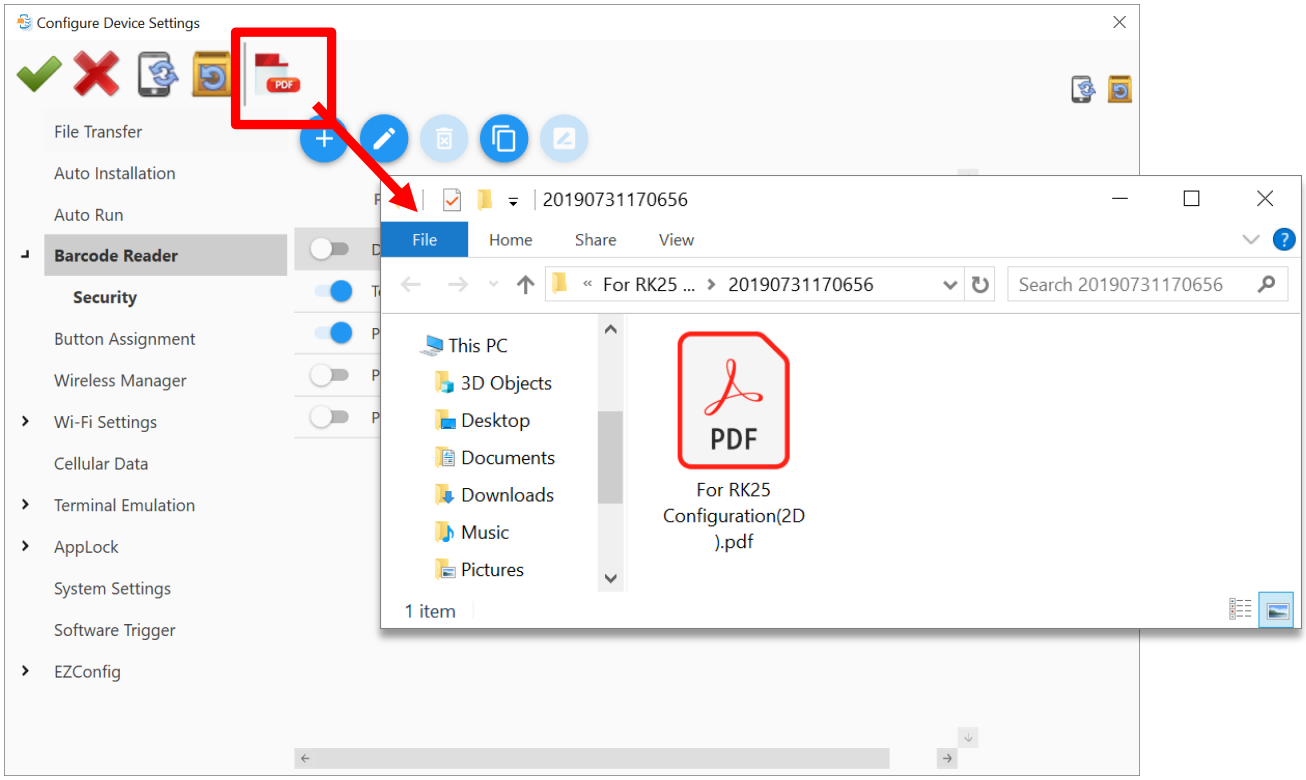


3) Select the profile and the profile settings to be exported from each tab page.

The barcode reader settings are still configurable in this step.



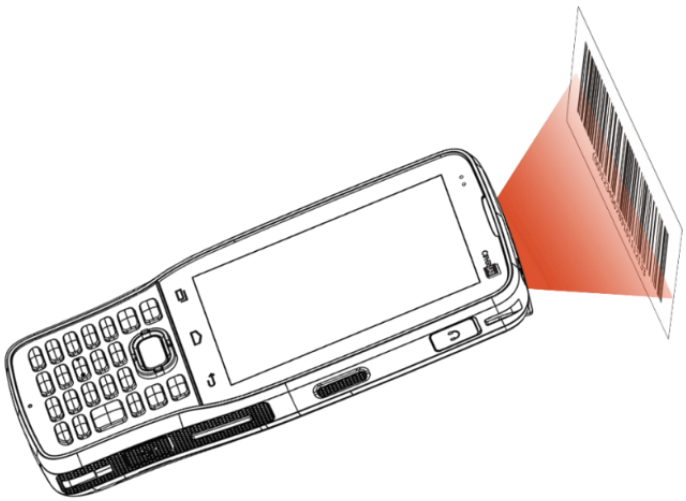
4) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

5) Print out the barcodes for your mobile computers to sequentially scan to apply the configurations.

The he configurations of your devices is complete.

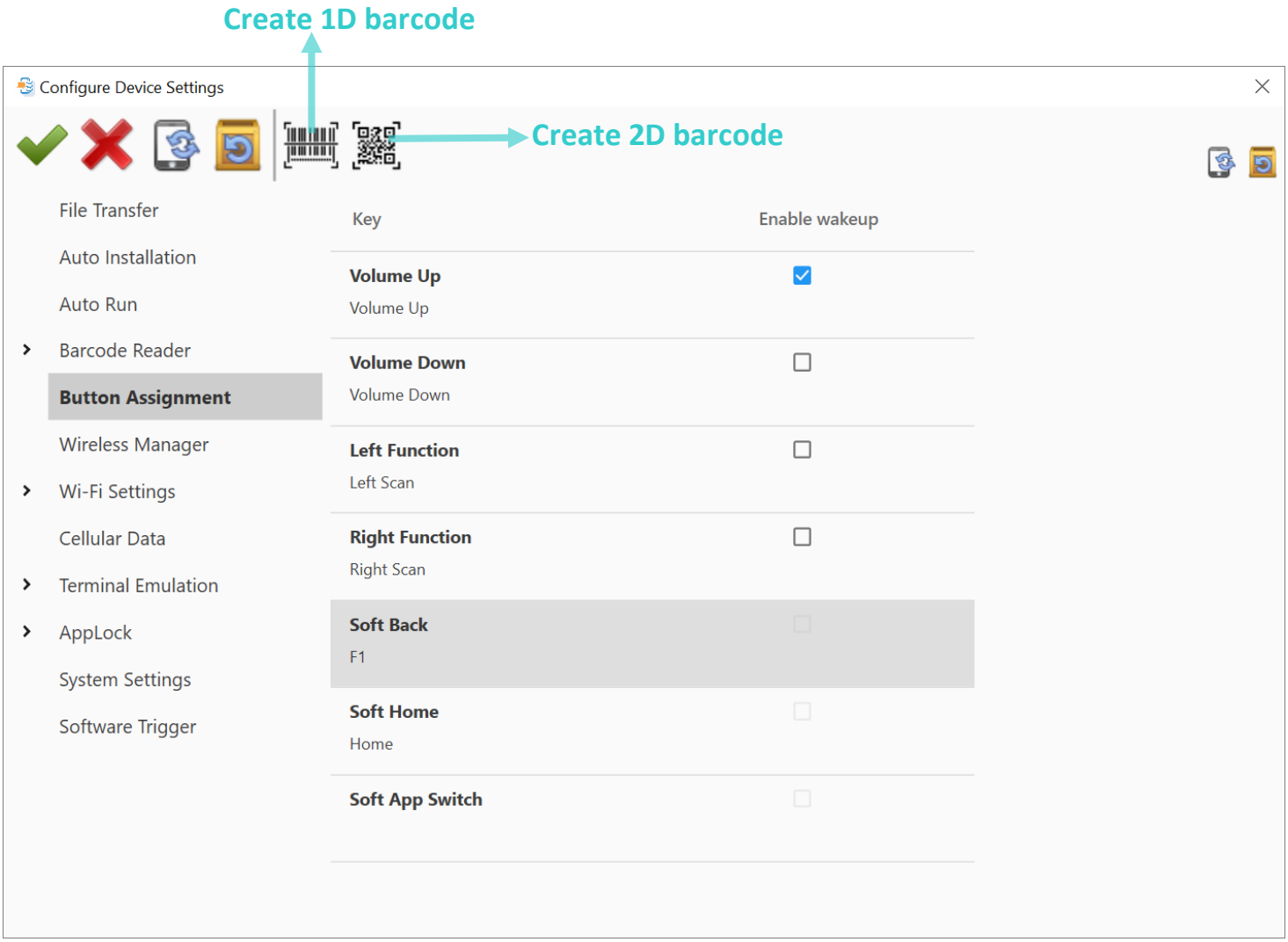


3.4 BUTTON ASSIGNMENT

FOR RS30, RS31, RS50, RS51, & HERA51 MOBILE COMPUTER

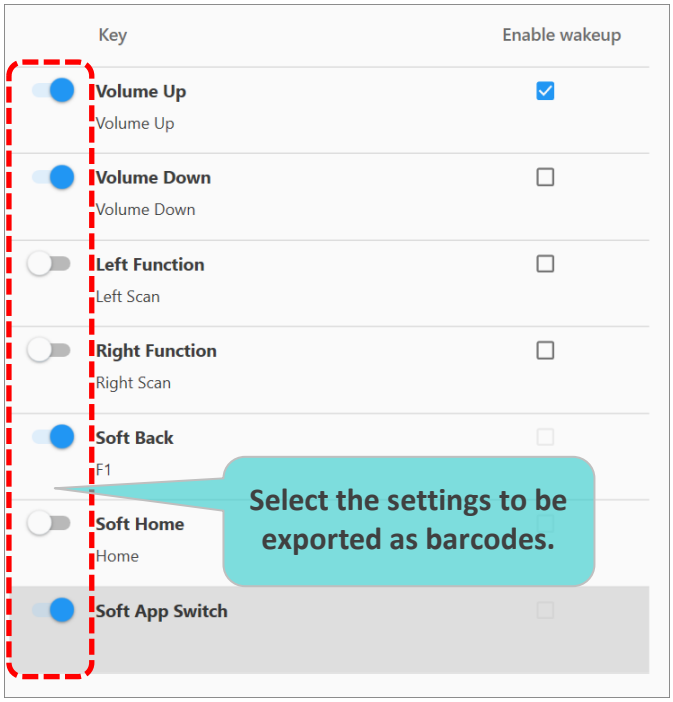
1) Define the function of the physical keys and virtual keys of your device. Refer to Button Assignment (for RS30, RS31, RS50, RS51, & HERA51) for details.

2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:

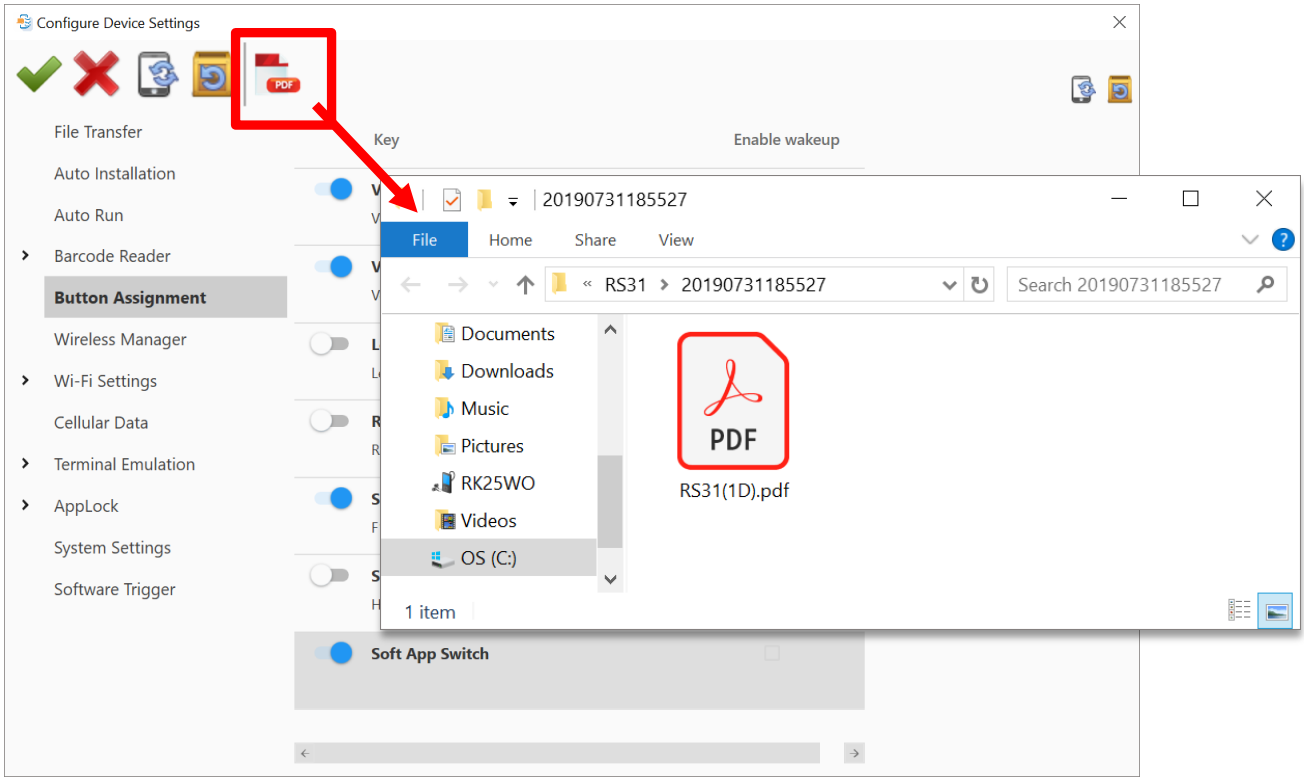


3) Select button assignment settings to be exported.

   Please note that the settings could be edited in this step.



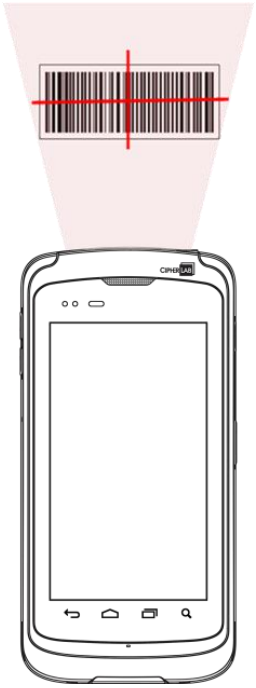
4) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

5) Print out the barcodes for your mobile computers to sequentially scan to apply the configurations.

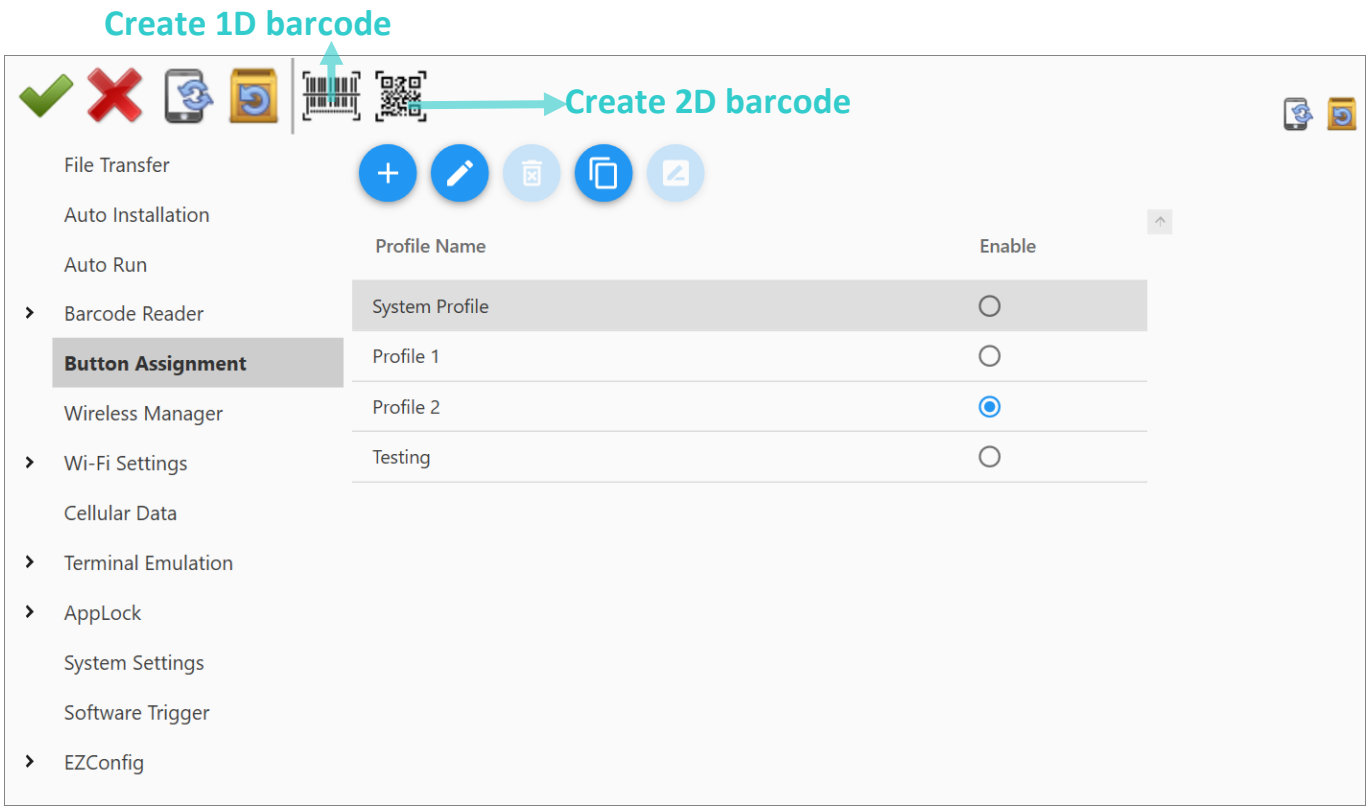
6) The configurations of your devices is complete.



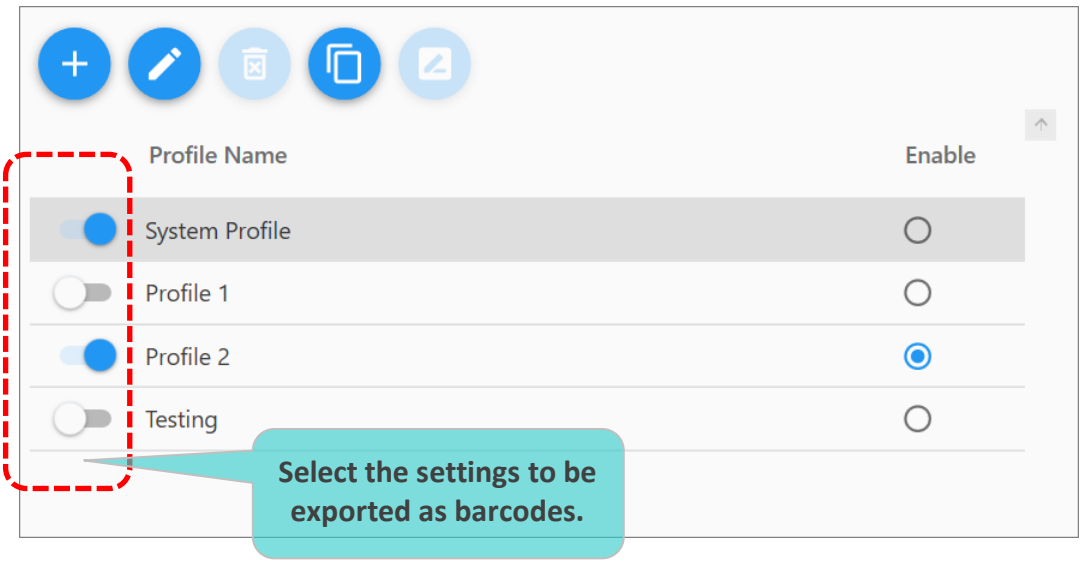
FOR RK25 & 9700A MOBILE COMPUTER

1) Please refer to Button Assignment (for RK25 & 9700A) for how to manage and edit your profiles .

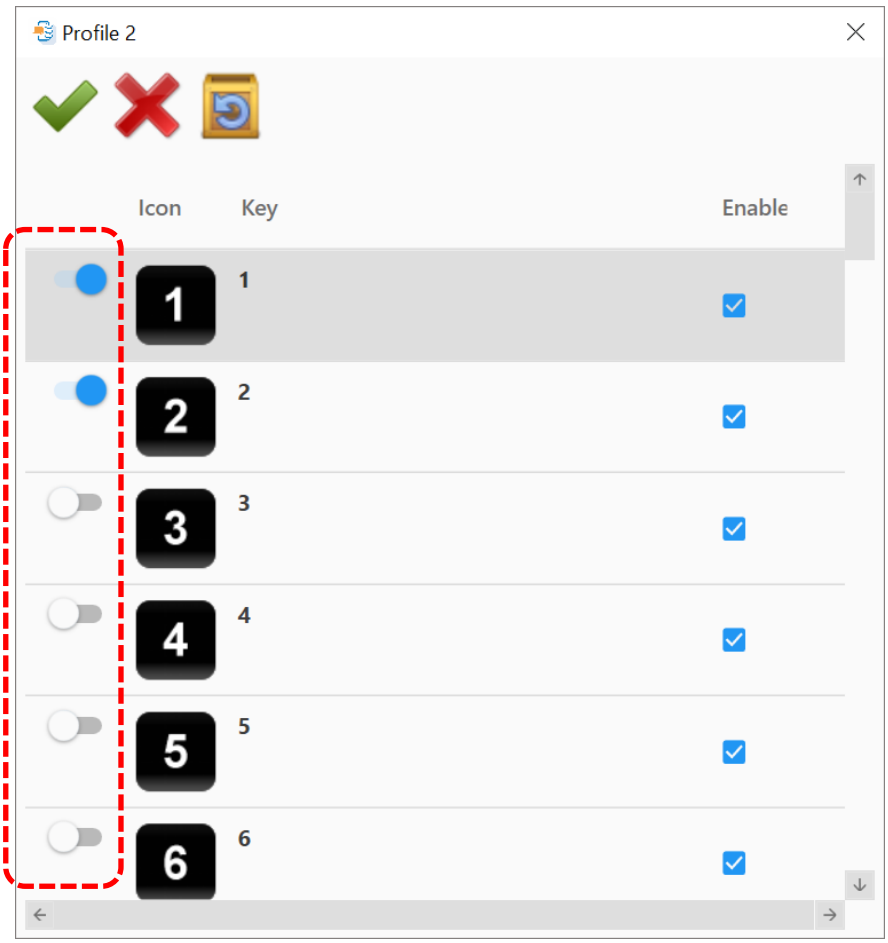
2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:



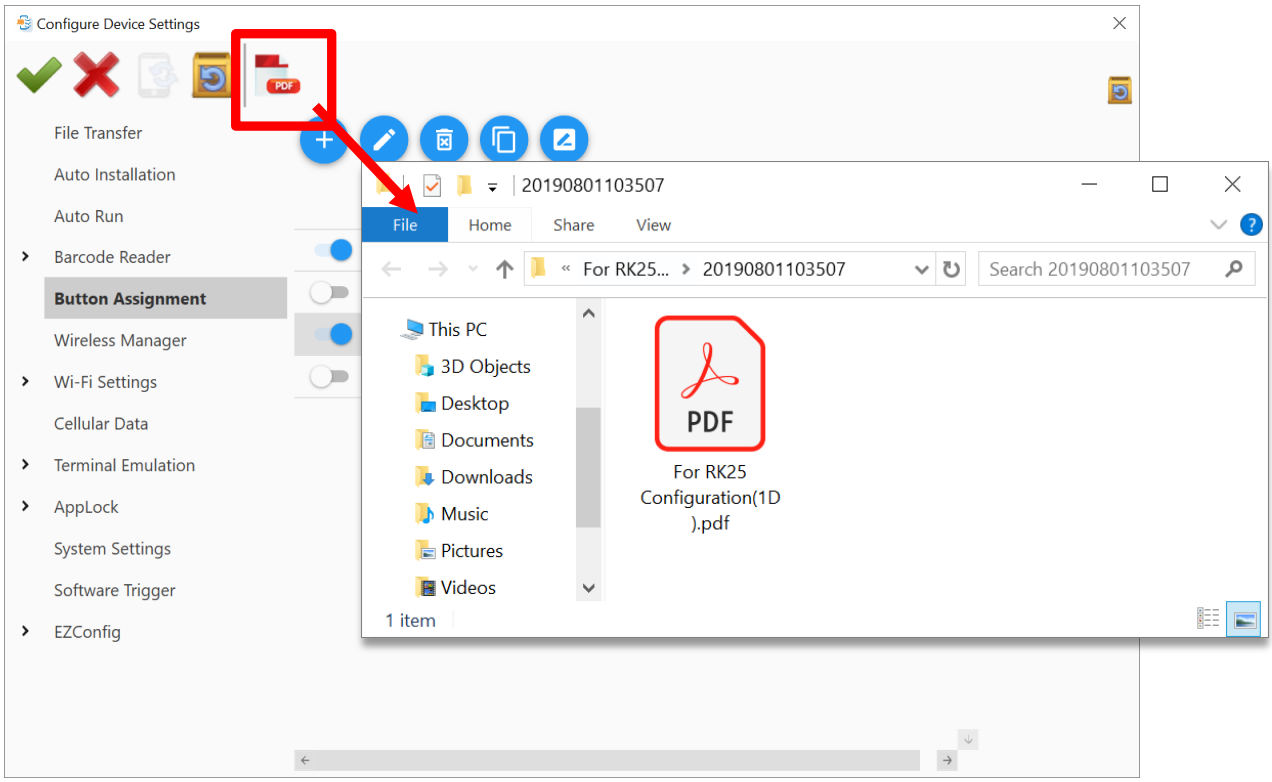
3) Select the profile and the key settings to be exported. The settings are still configurable in this step.



Click twice on a profile to list all the keys it contains, and select the key(s) to be exported.

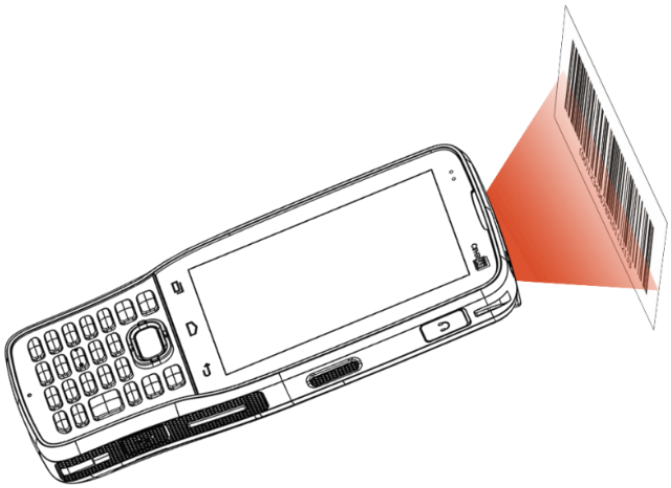


4) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

5) Print out the barcodes for your mobile computers to sequentially scan to apply the configurations.

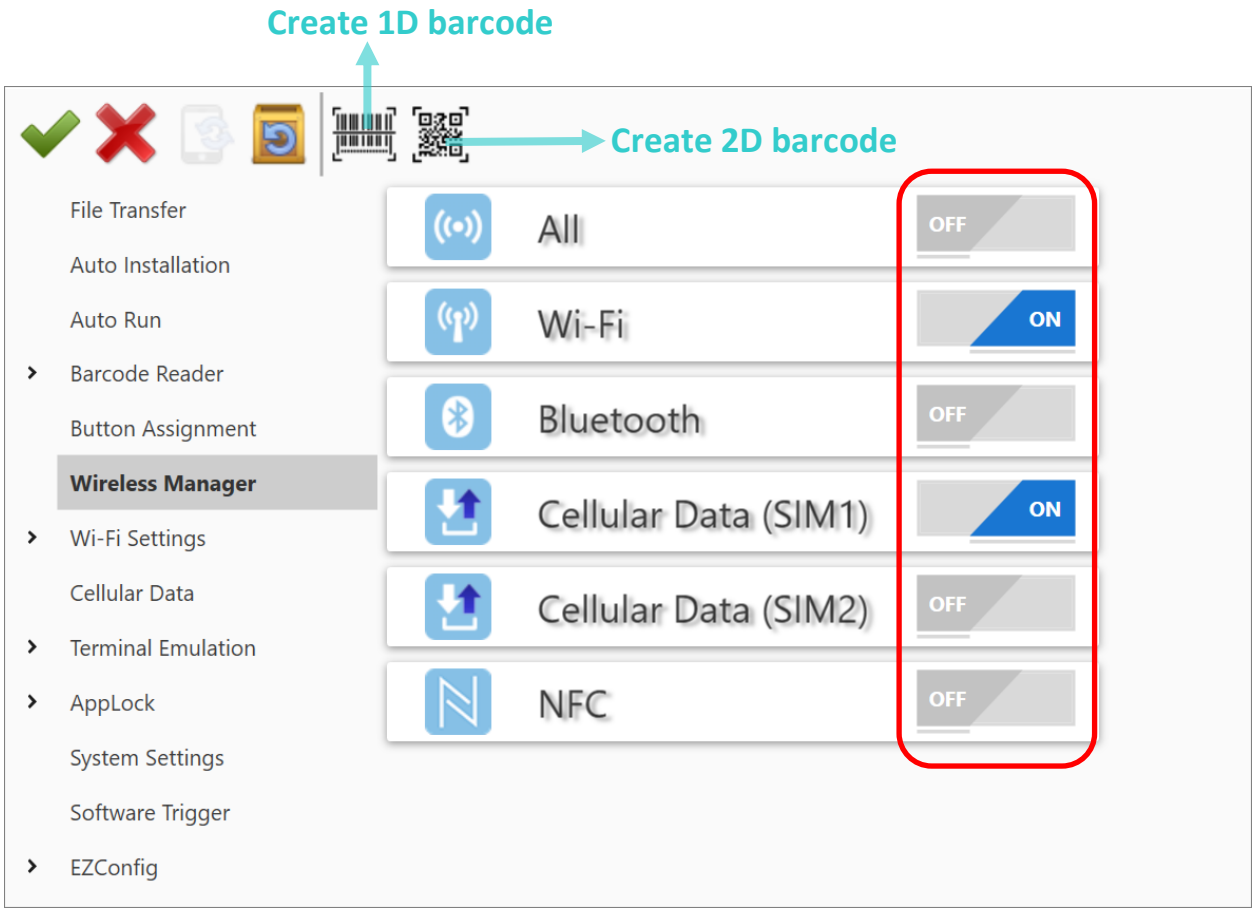


6) The configurations of your devices is complete.

3.5 WIRELESS MANAGER

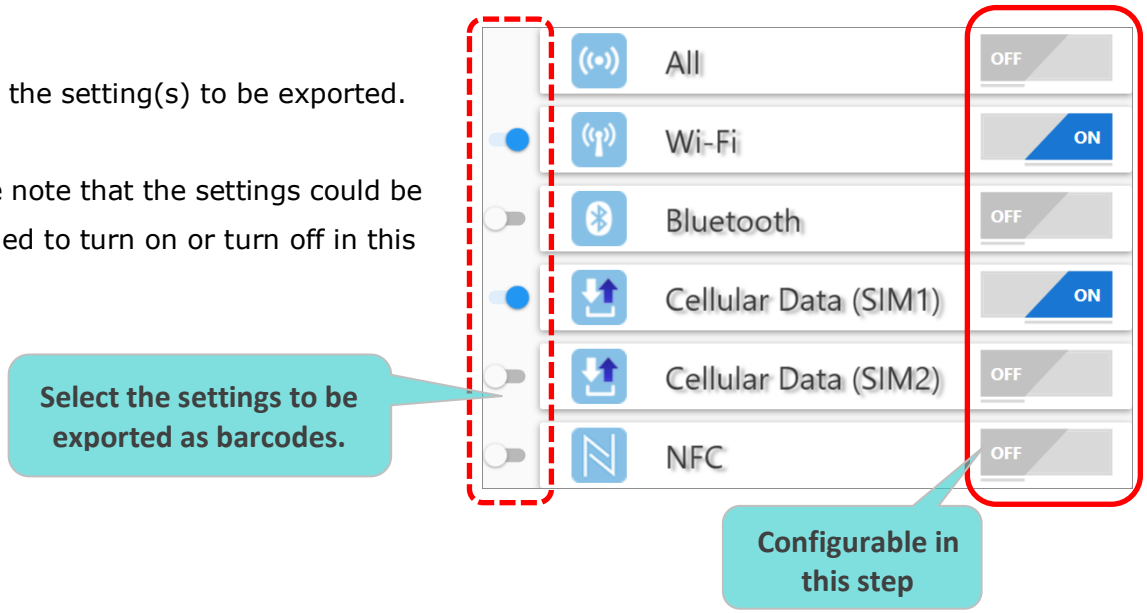
1) Make changes if necessary. Click on the switch to turn on (or turn off) one or all wireless signals.

2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:

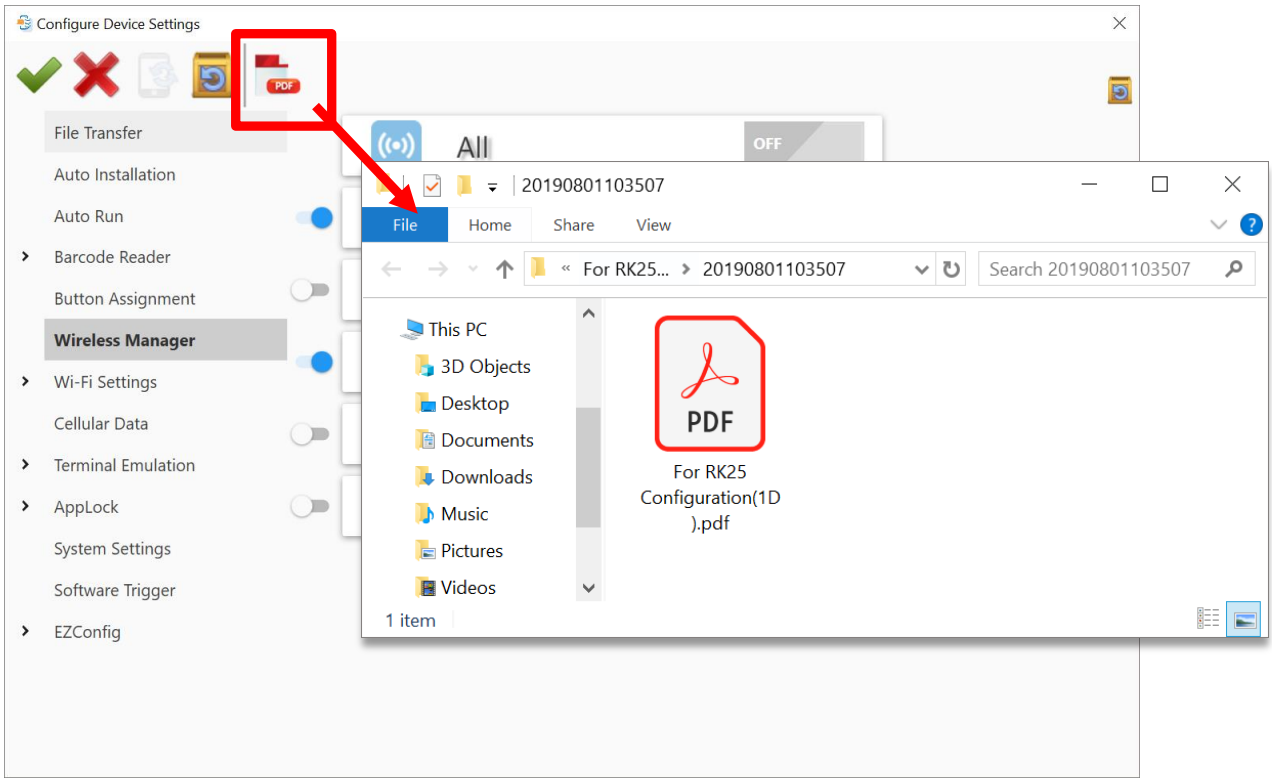


3) Select the setting(s) to be exported.

Please note that the settings could be switched to turn on or turn off in this step.

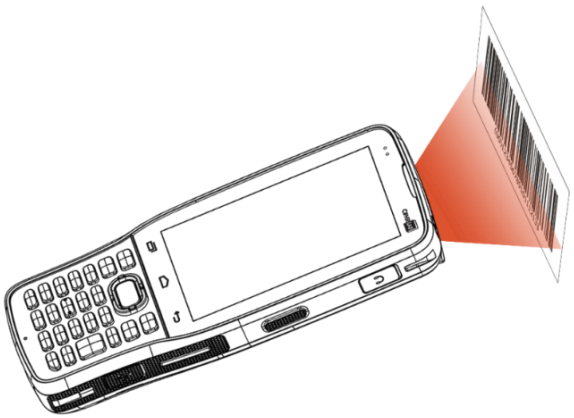


4) Click  button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

5) Print out the barcodes for your mobile computers to sequentially scan to apply the configurations.

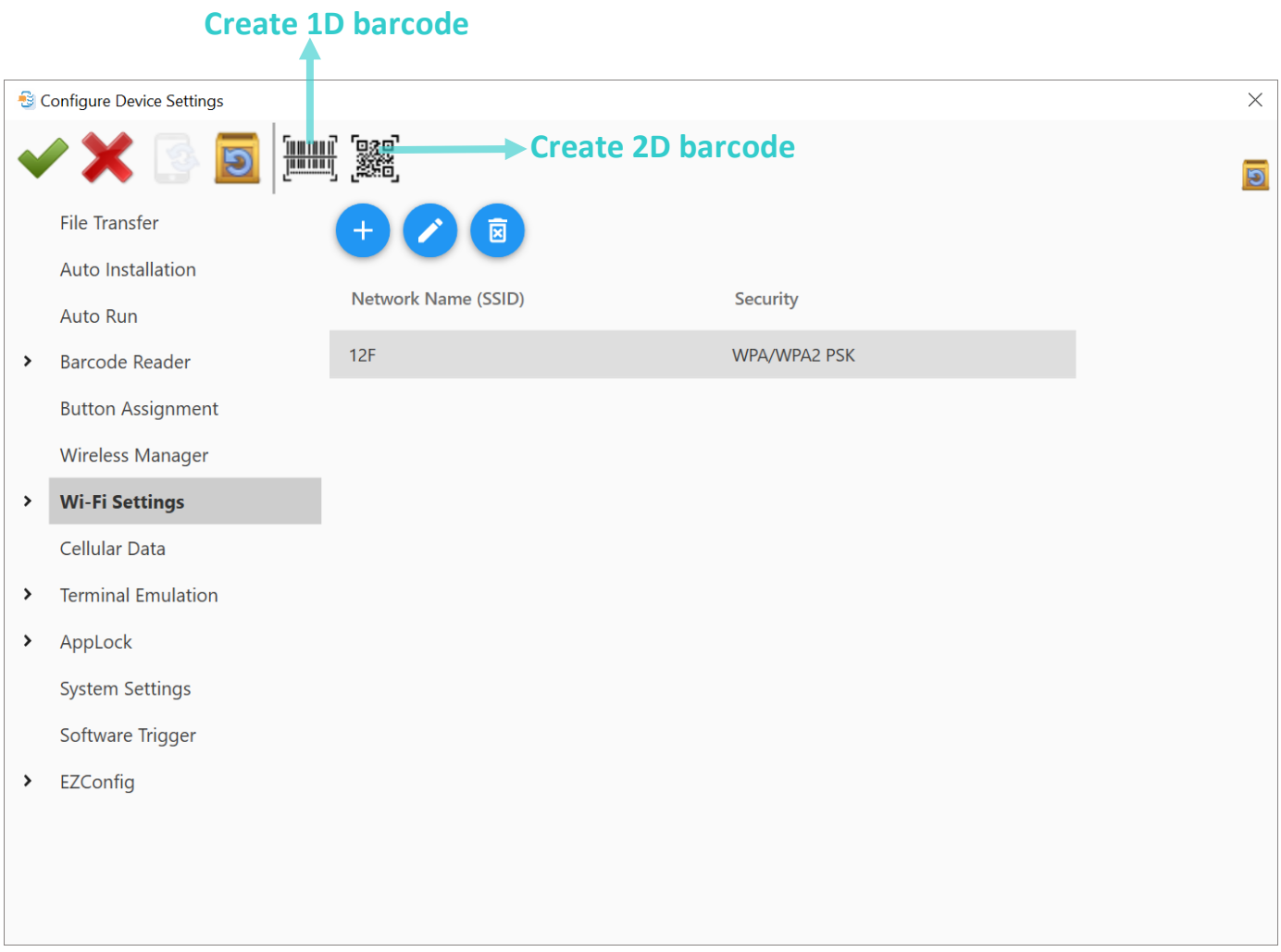


6) The configurations of your devices is complete.

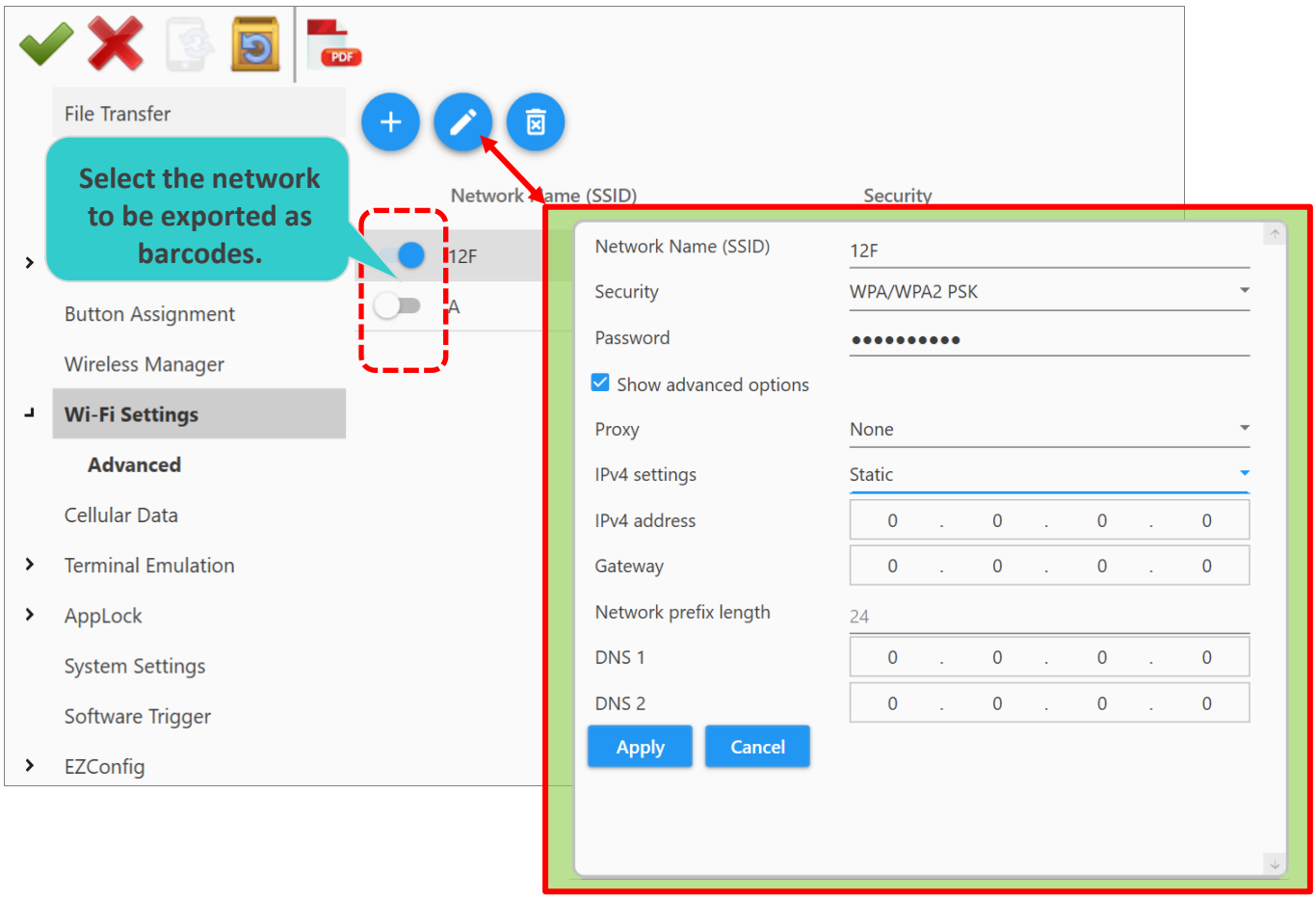
3.6 WI-FI SETTINGS

1) Click on "**Add**" button  to add a new wireless profile and fill in the necessary fields. Click on "**Apply**" to save the settings.

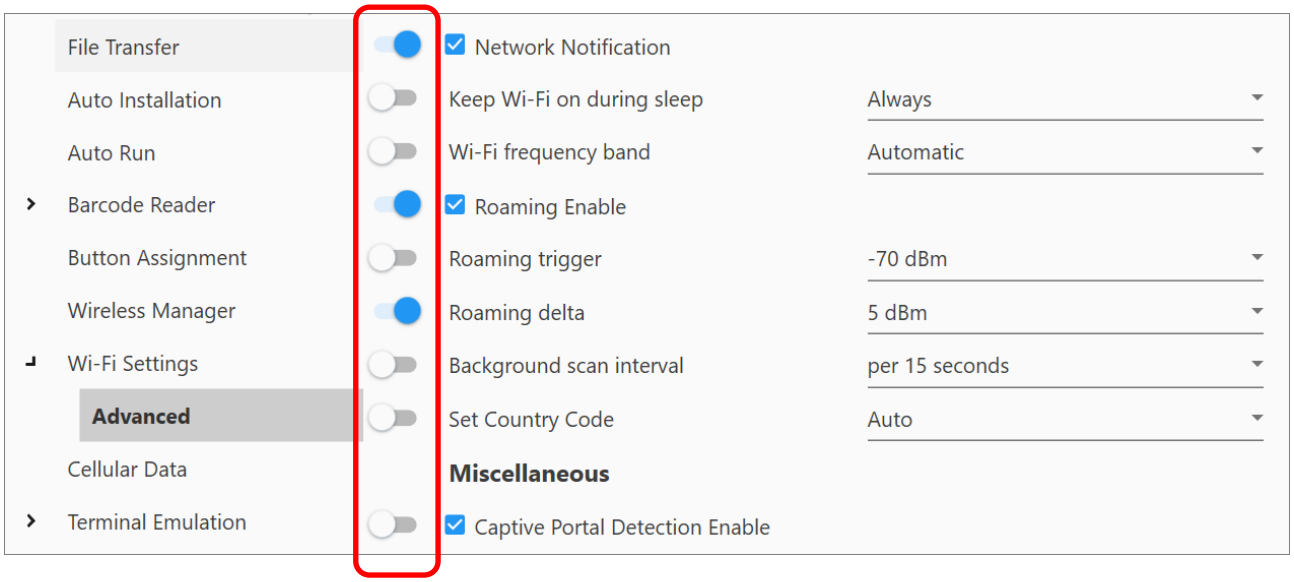
2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:



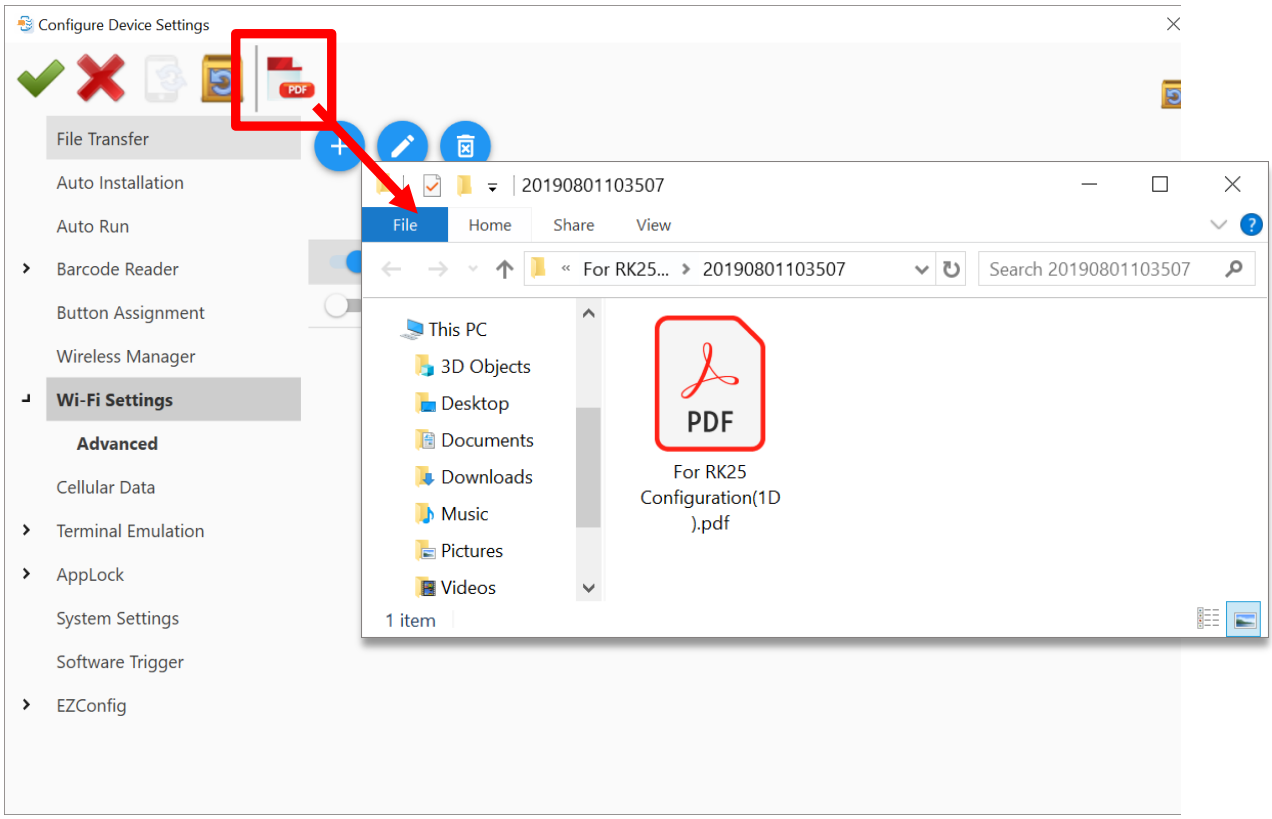
3) Click on the switch to select the Network setting(s) to be exported. Please note that, in this step, the network settings could be edited by clicking "**Edit**" button or double click on the row. Be sure to click "**Apply**" to save the setting changes, or click "**Cancel**" to return to the previous screen.



4) For "**Advanced**" part, please click "**Advanced**" and select the settings you would like to exported:

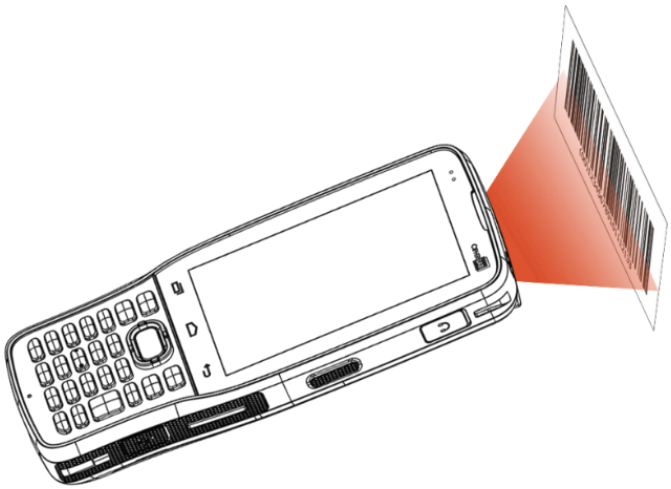


5) Click  button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

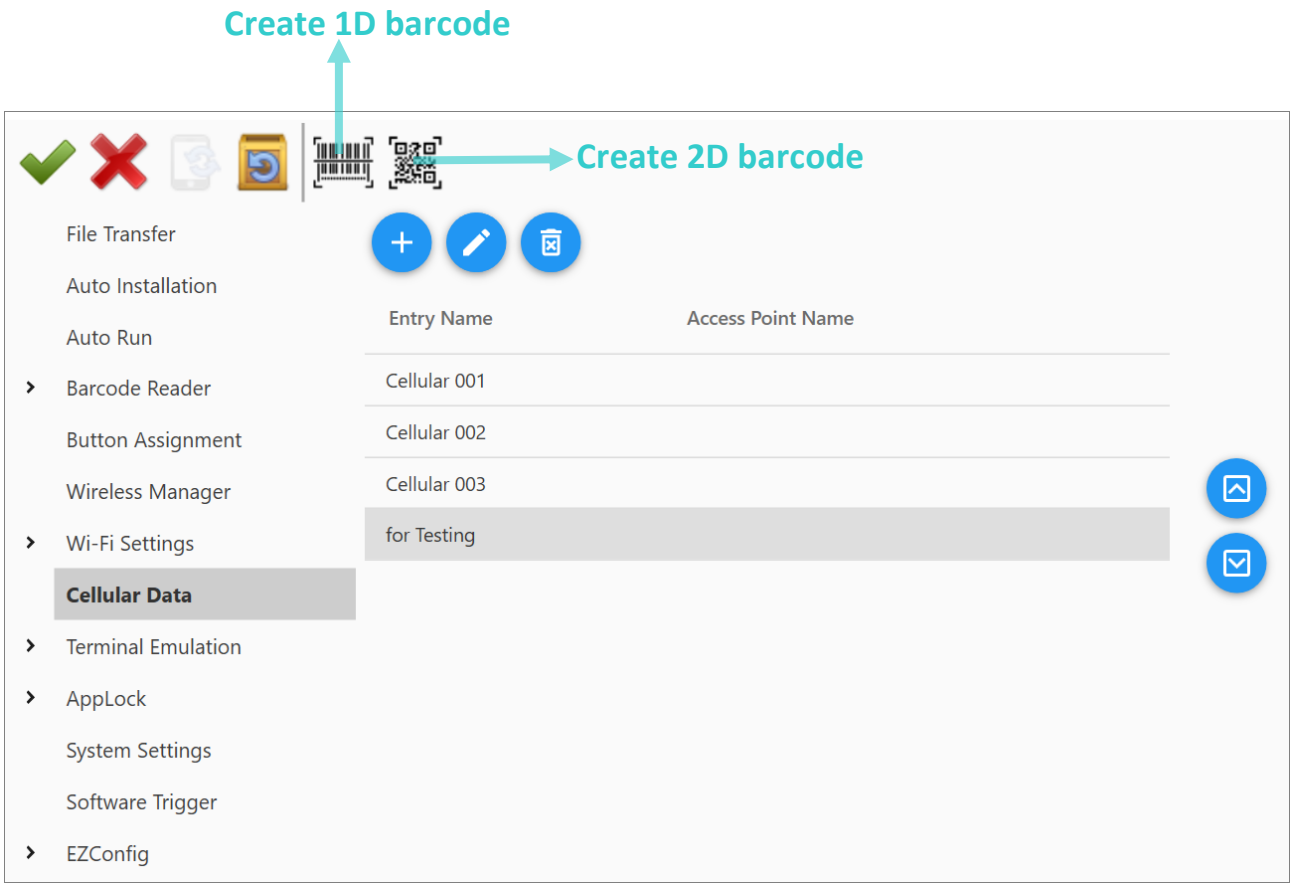
6) Print out the barcodes for your devices to sequentially scan to apply the configuration.



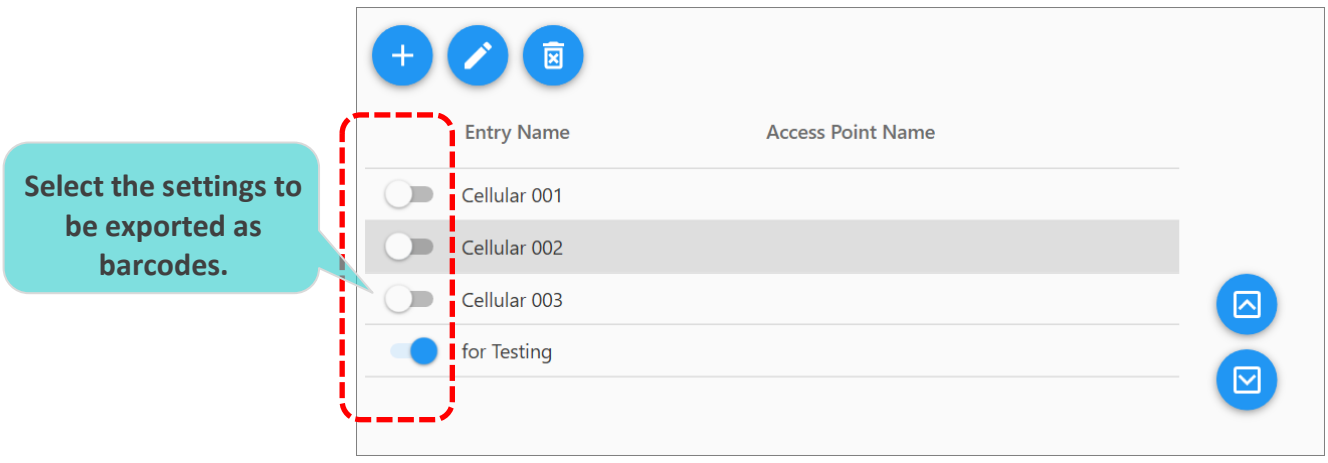
3.7 CELLULAR DATA

1) Configure your cellular data network. Please refer to Cellular Data for setting details.

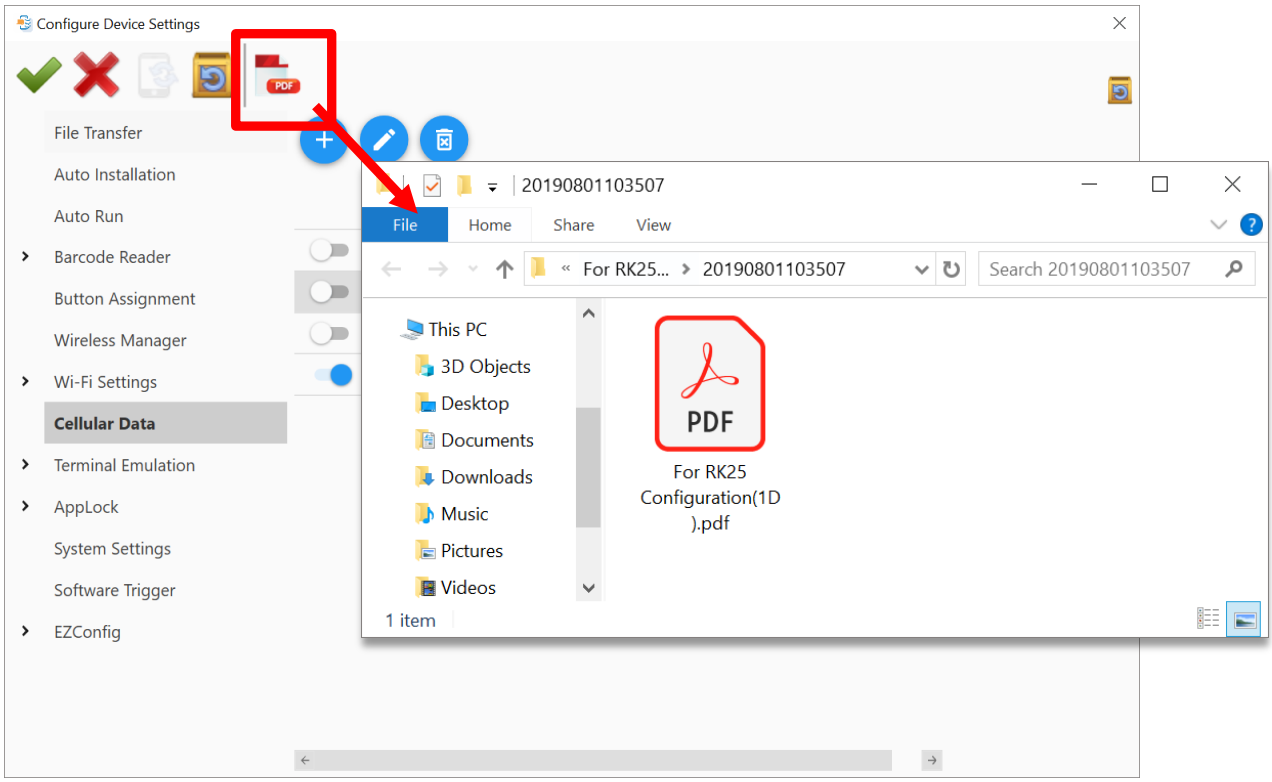
2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:



3) Select the settings to be exported. Please note that The settings are still configurable in this step.



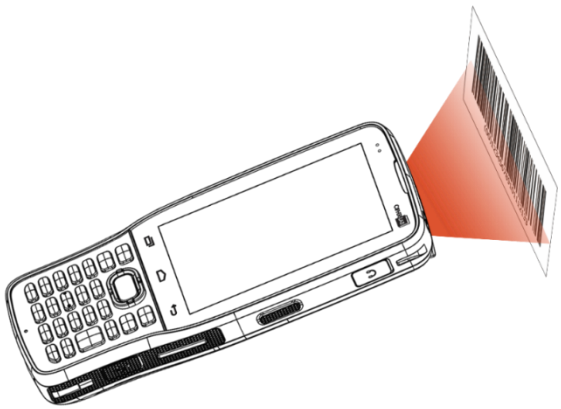
4) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

5) Print out the barcodes for your mobile computers to sequentially scan to apply the configurations.

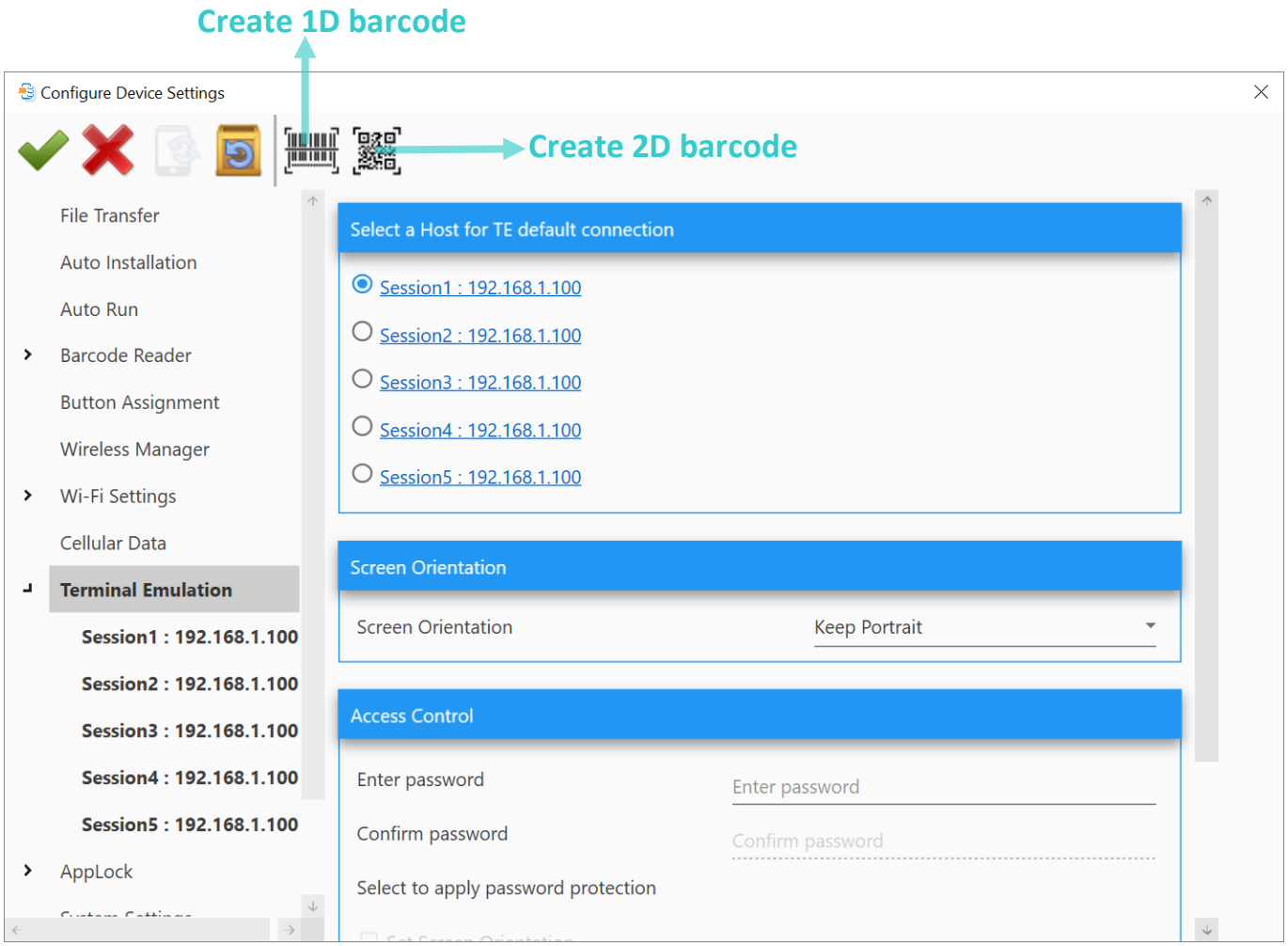
6) The configurations of your devices is complete.



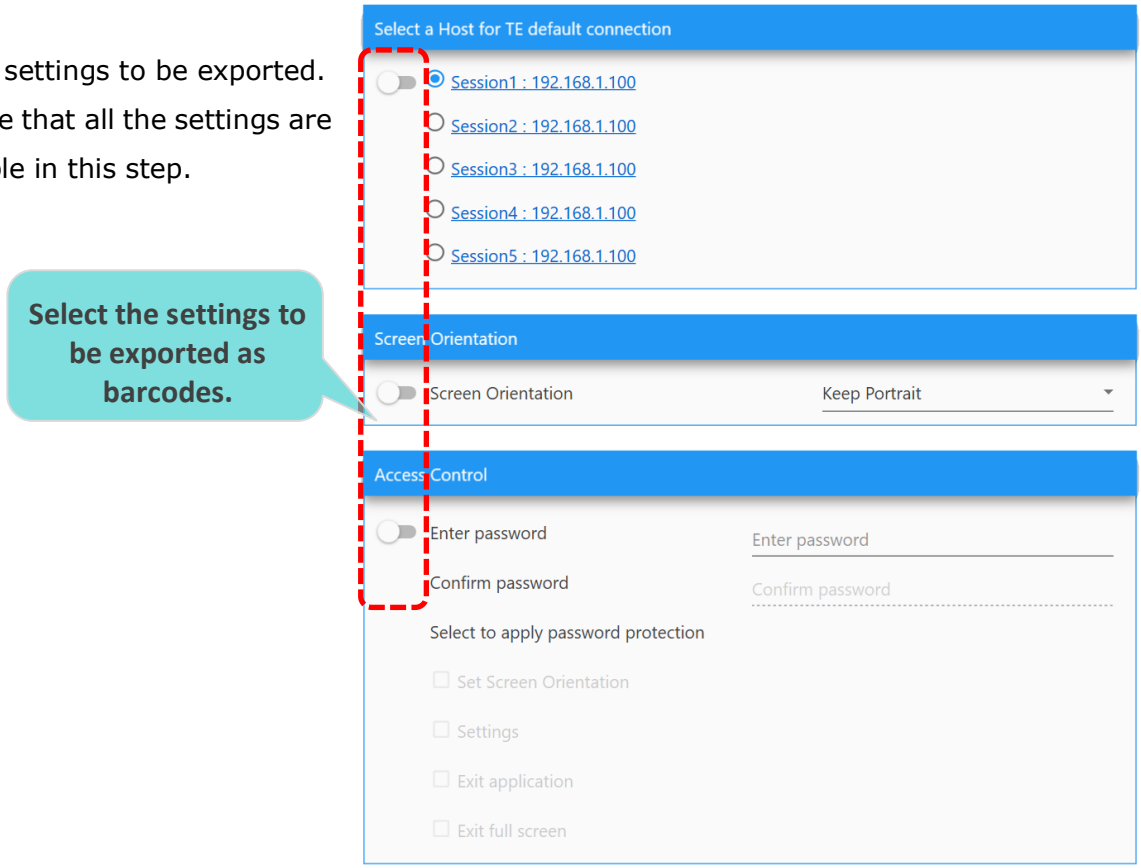
3.8 TERMINAL EMULATION

1) Emulation Settings involve key mapping with the physical keys of the device, thus the settings will vary by device model.Please refer to Terminal Emulation for configurations details.

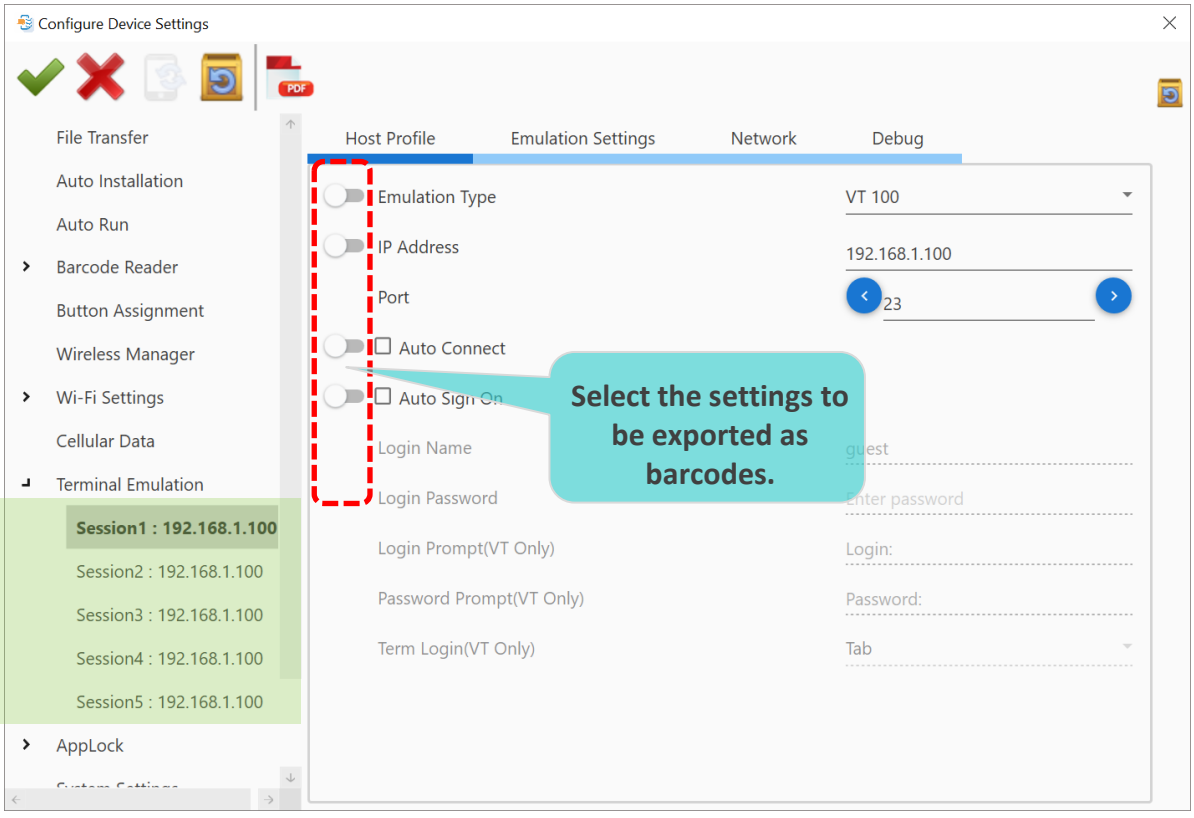
2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:



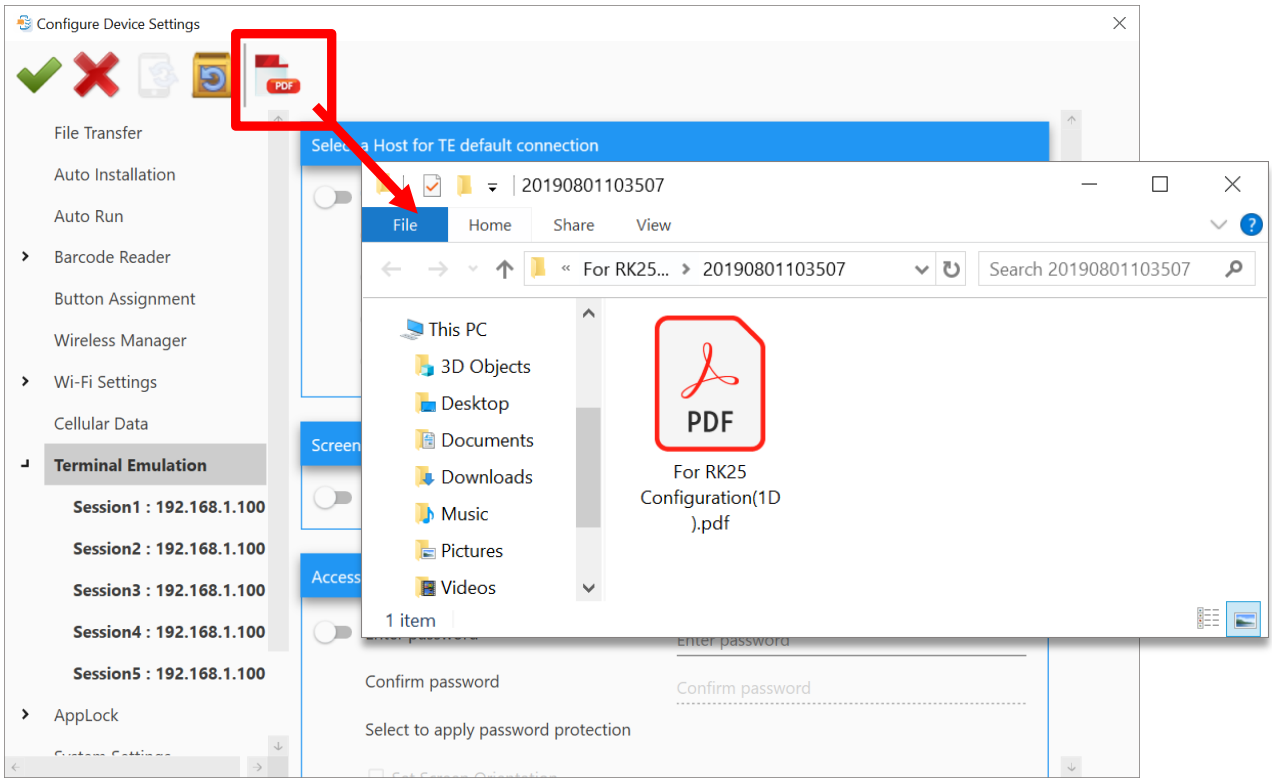
3) Select the settings to be exported. Please note that all the settings are configurable in this step.



Click the sessions under "**Terminal Emulation**" to get into its detailed page. Go through the tab pages for more configurations.

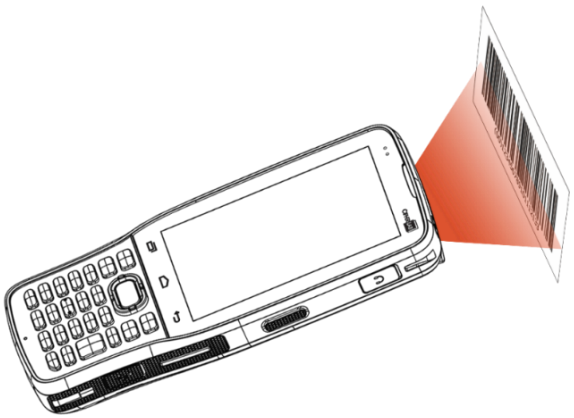


4) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

5) Print out the barcodes for your mobile computers to sequentiallyscan to apply the configurations.

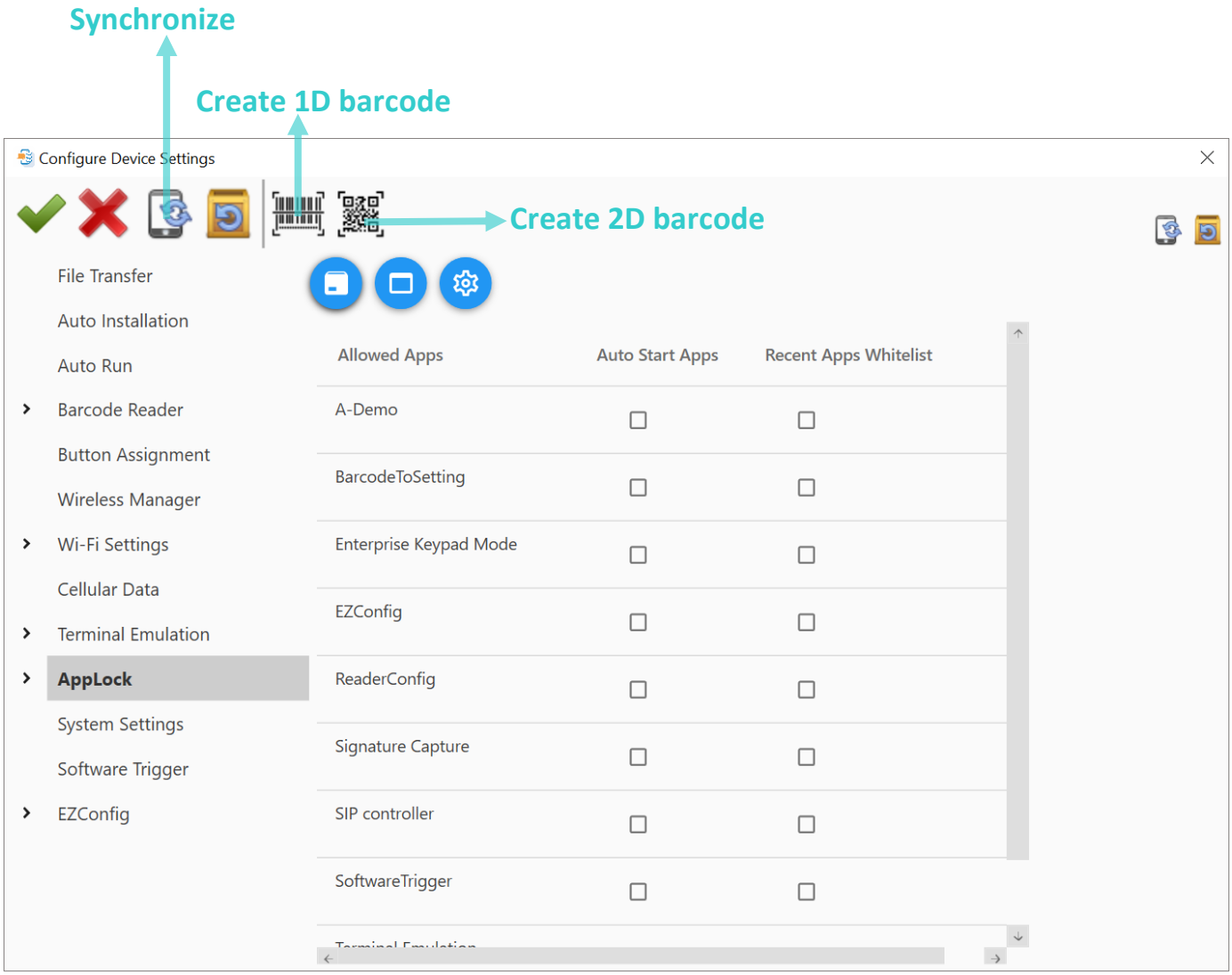


6) The configurations of your devices is complete.

3.9 APPLOCK

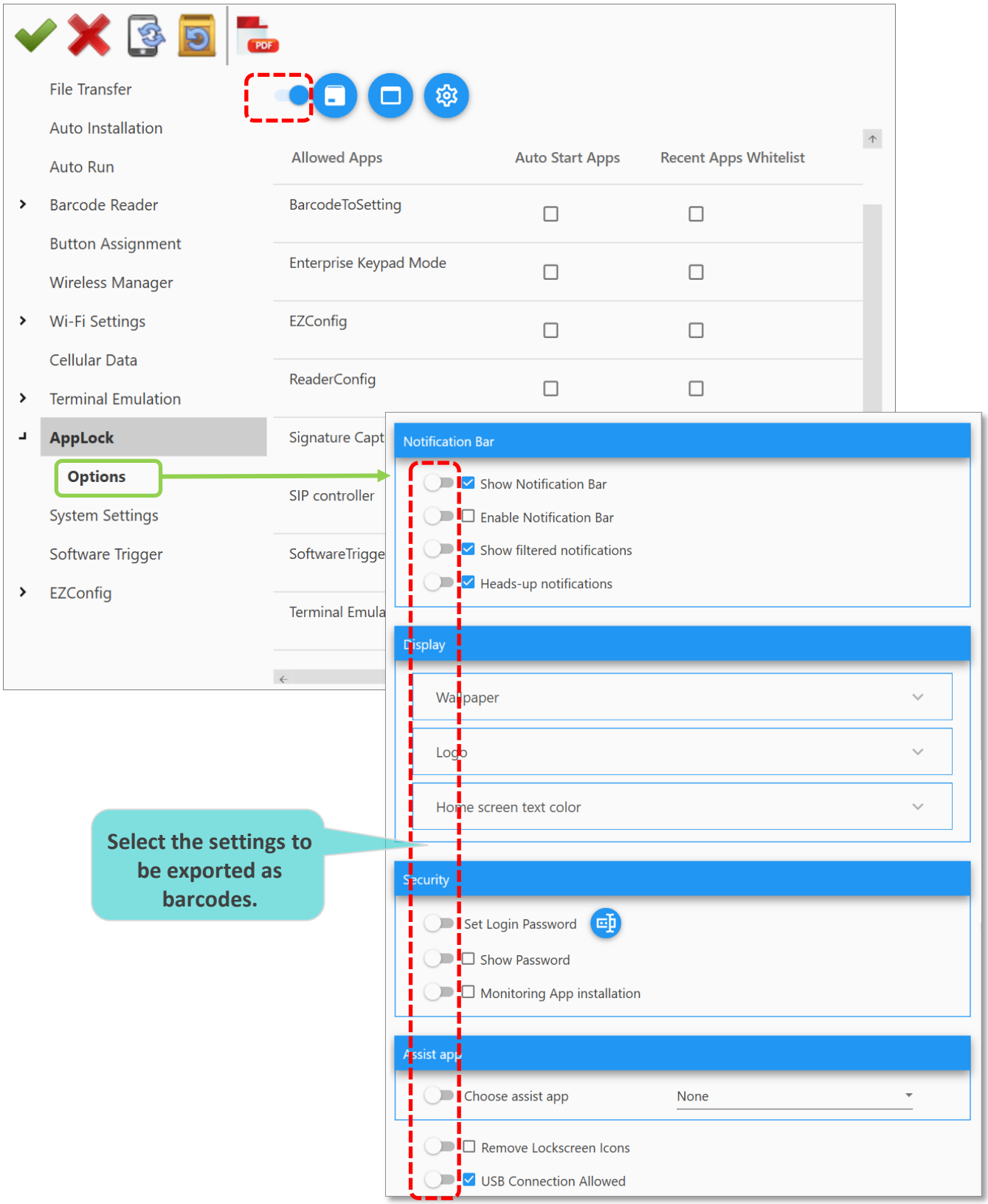
1) Synchronize with your device to import the applications and system settings. Please refer to AppLock for configuration details.

2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:

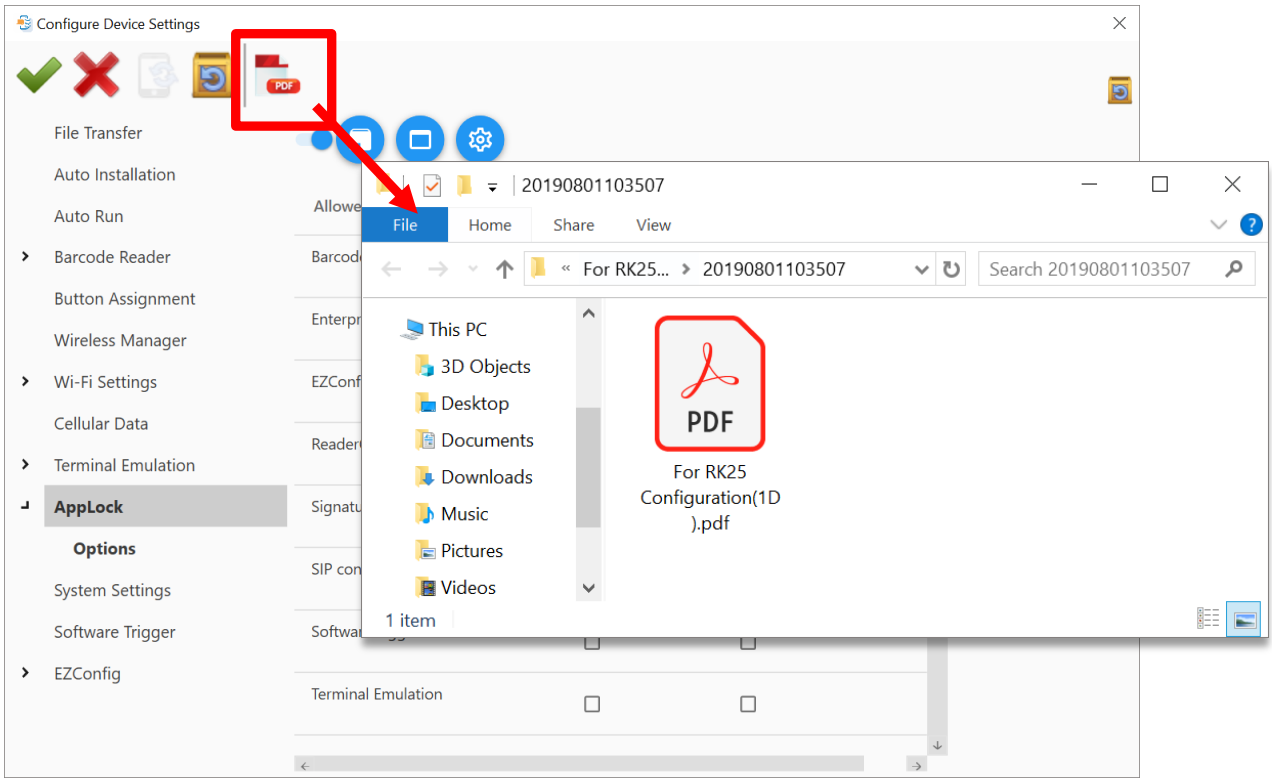


3) Select the settings to be exported from **AppLock** main page & **Option** tab page.

Please note that all the AppLock settings are configurable in this step.

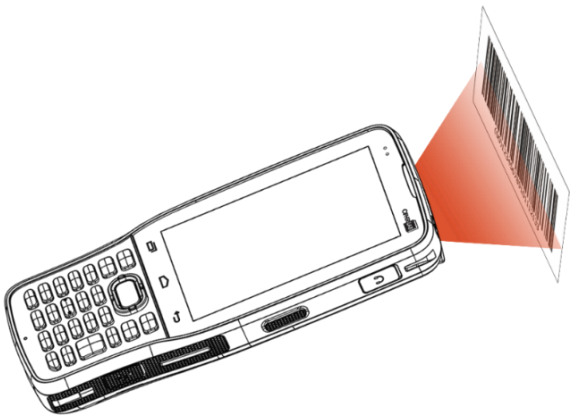


4) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

5) Print out the barcodes for your mobile computers to sequentially scan to apply the configurations.

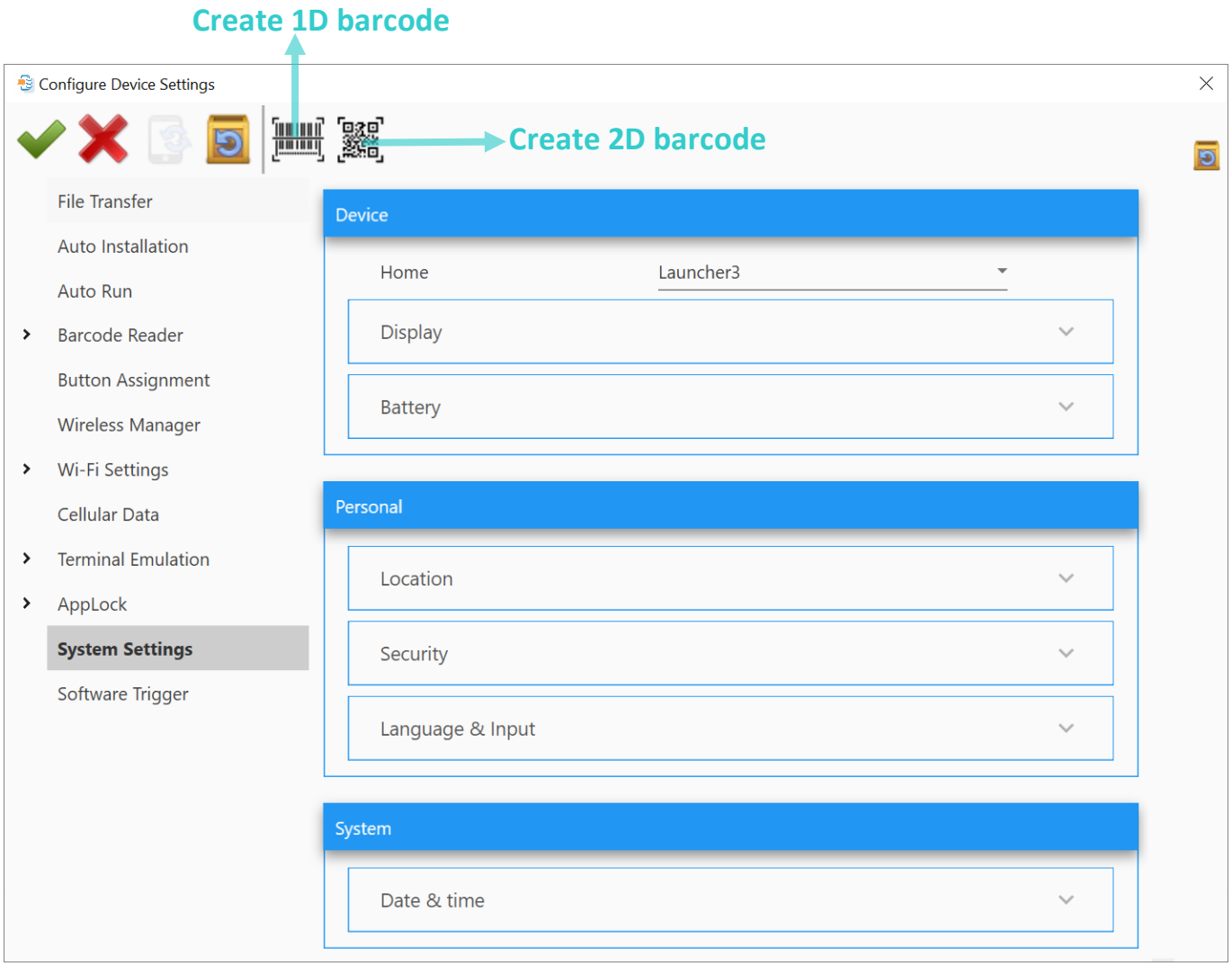


6) The configurations of your devices is complete.

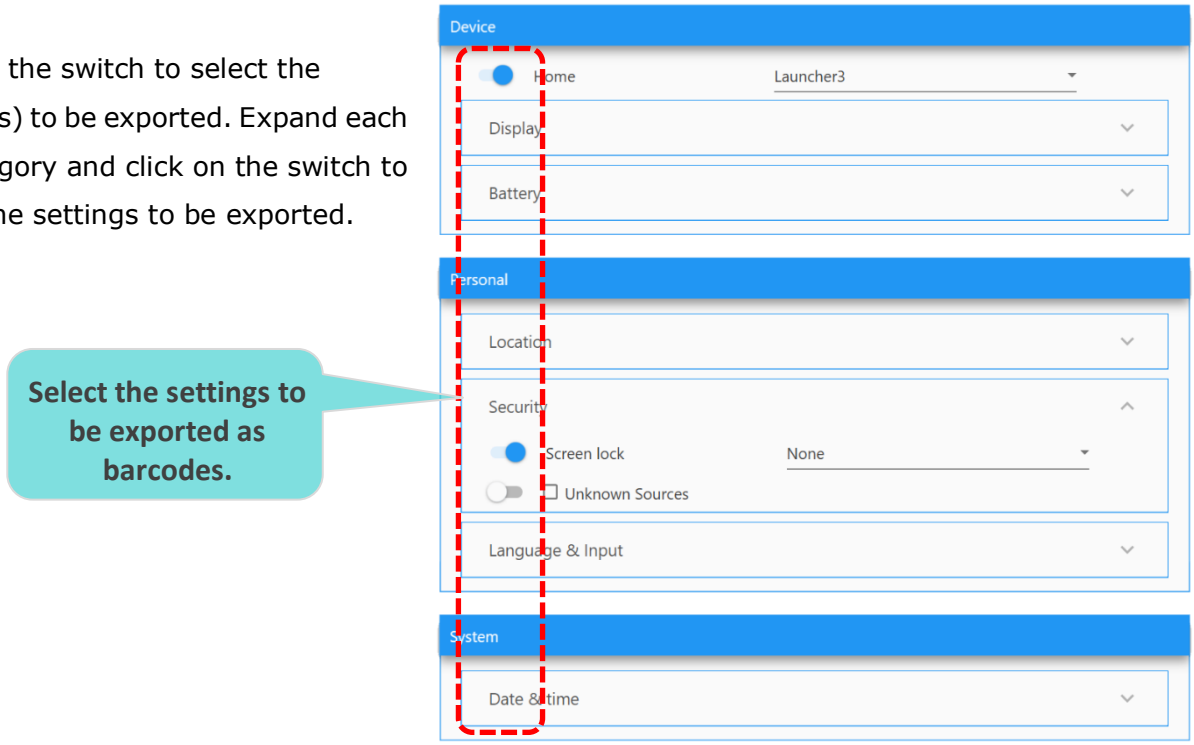
3.10 SYSTEM SETTINGS

System Settings is devided into **Device**, **Personal**, and **System** 3 parts; expand the subcategory of each part to configure the settings you need. Please refer to System Settings for details.

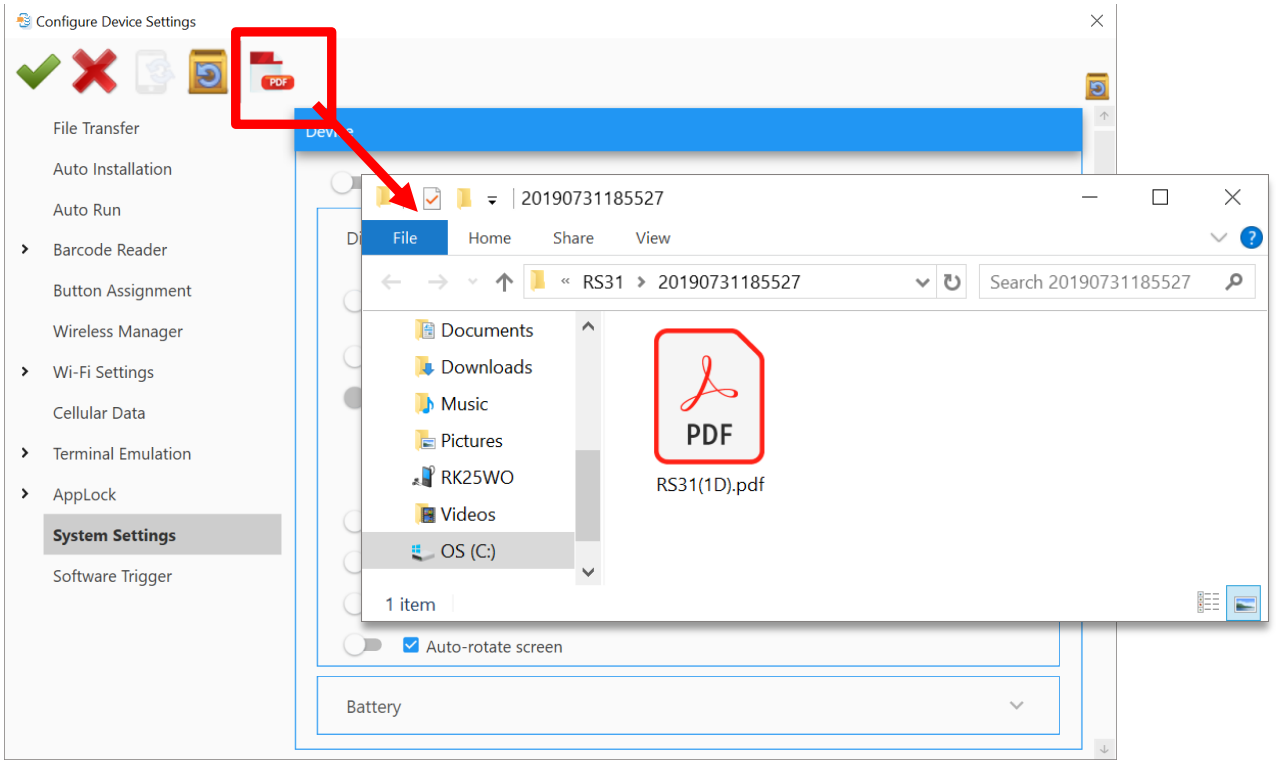
1) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:



2) Click on the switch to select the setting(s) to be exported. Expand each subcategory and click on the switch to select the settings to be exported.

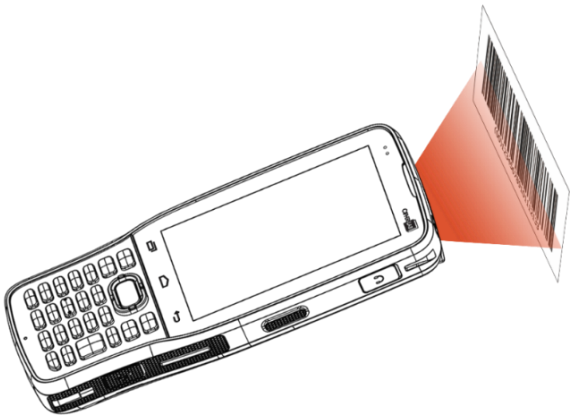


3) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

4) Print out the barcodes for your devices to scan sequentially to apply the configuration.

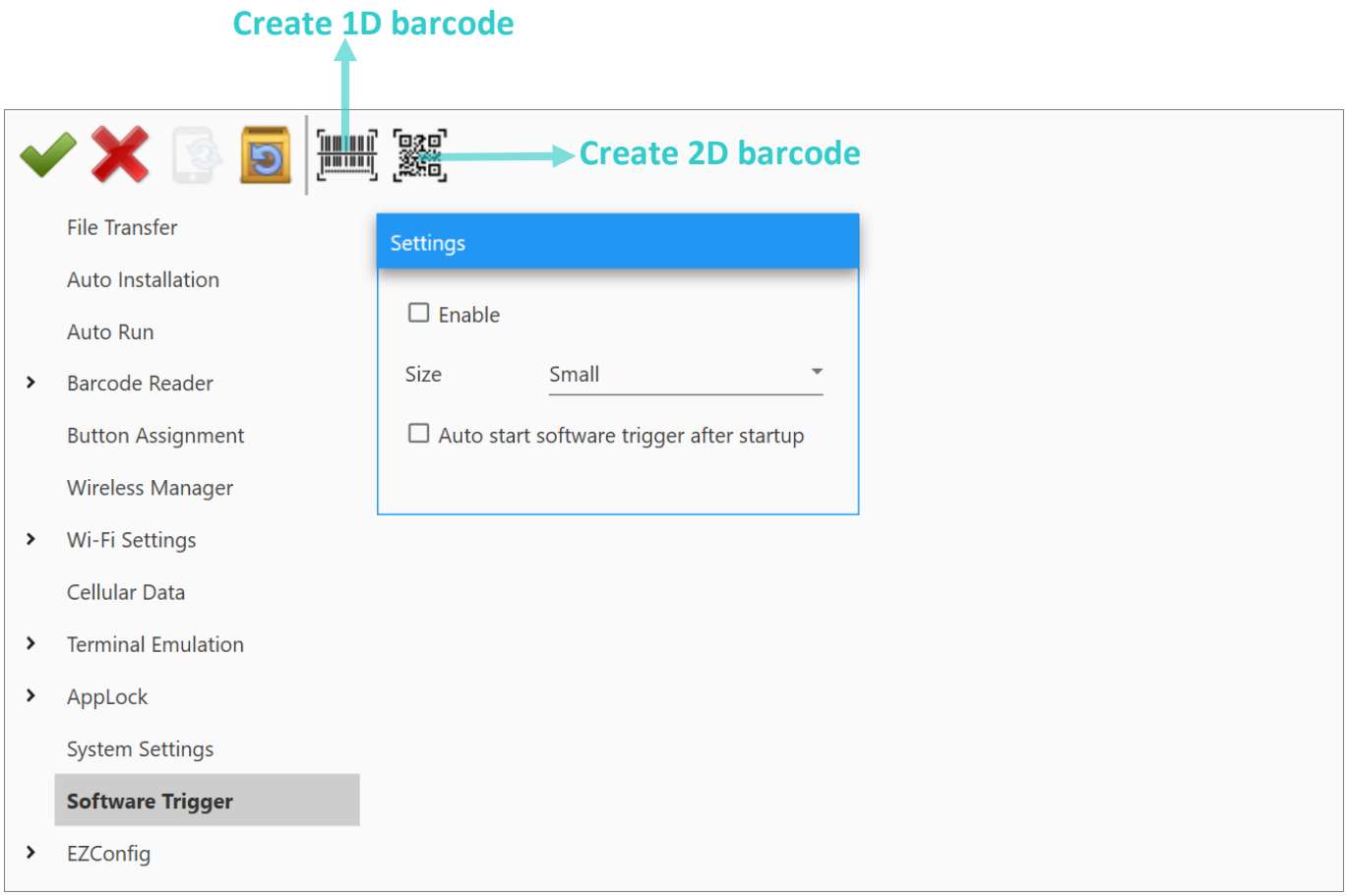


5) The configurations of your devices is complete.

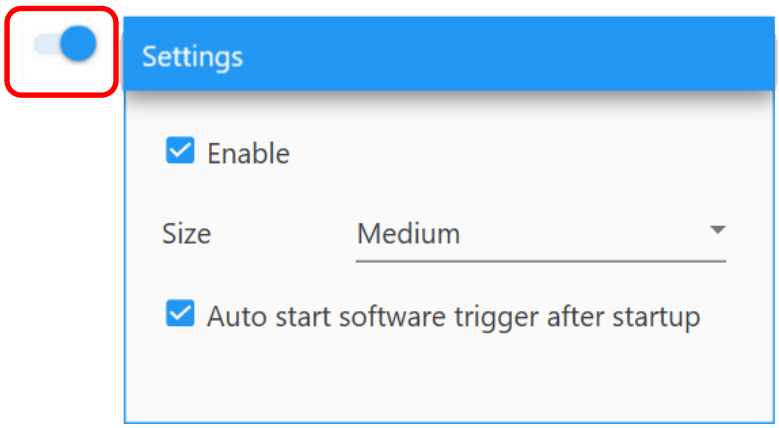
3.11 SOFTWARE TRIGGER

1) Configure the settings of "**Software Trigger**" (refer to Software Trigger for details).

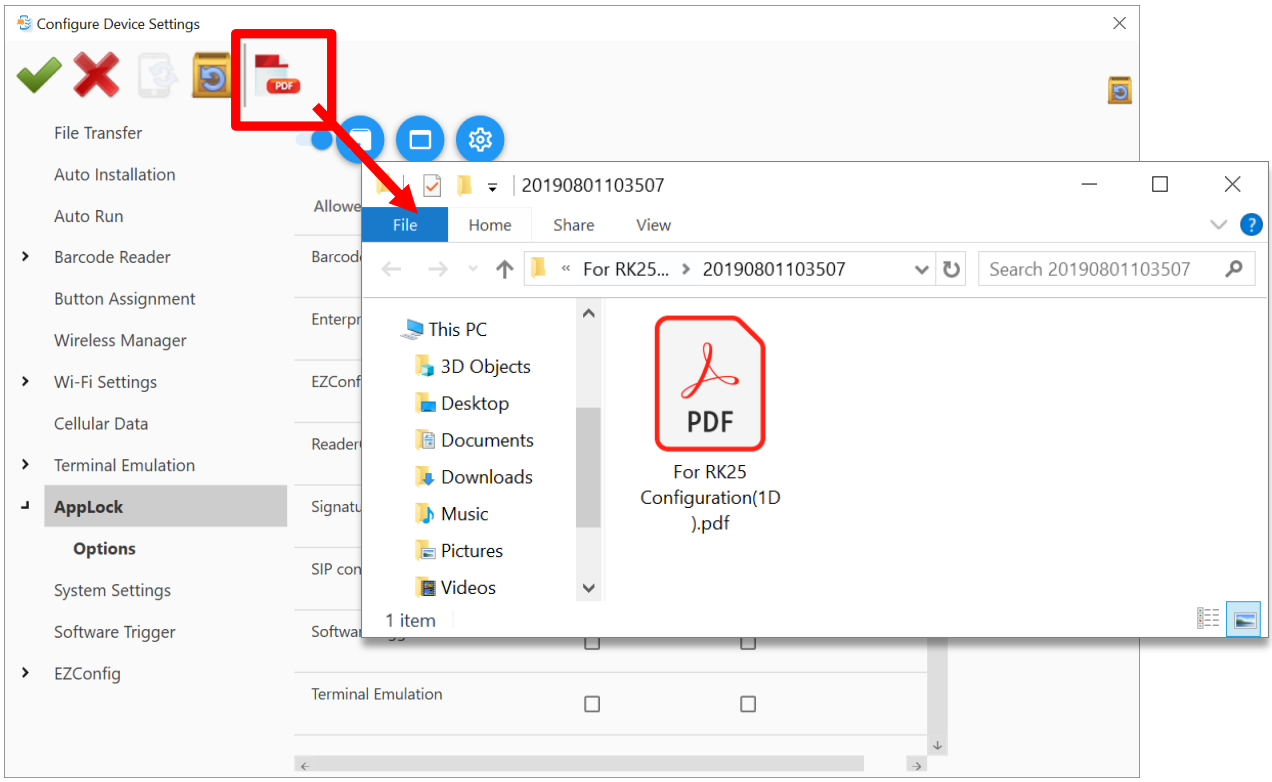
2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode** " or "**Create 2D barcode** " on the tool bar:



3) Click on the switch to select whether to export the settings of "**Software Trigger**".

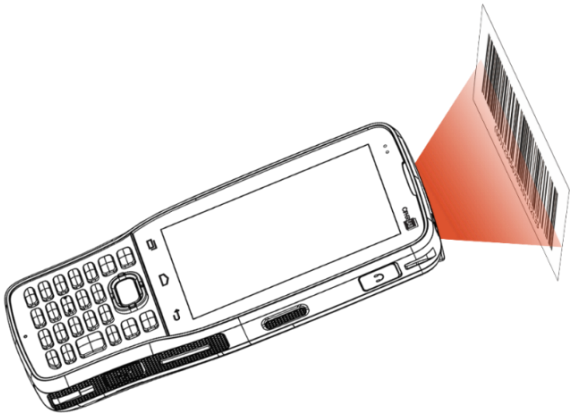


4) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

5) Print out the barcodes for your devices to scan sequentially to apply the configuration.

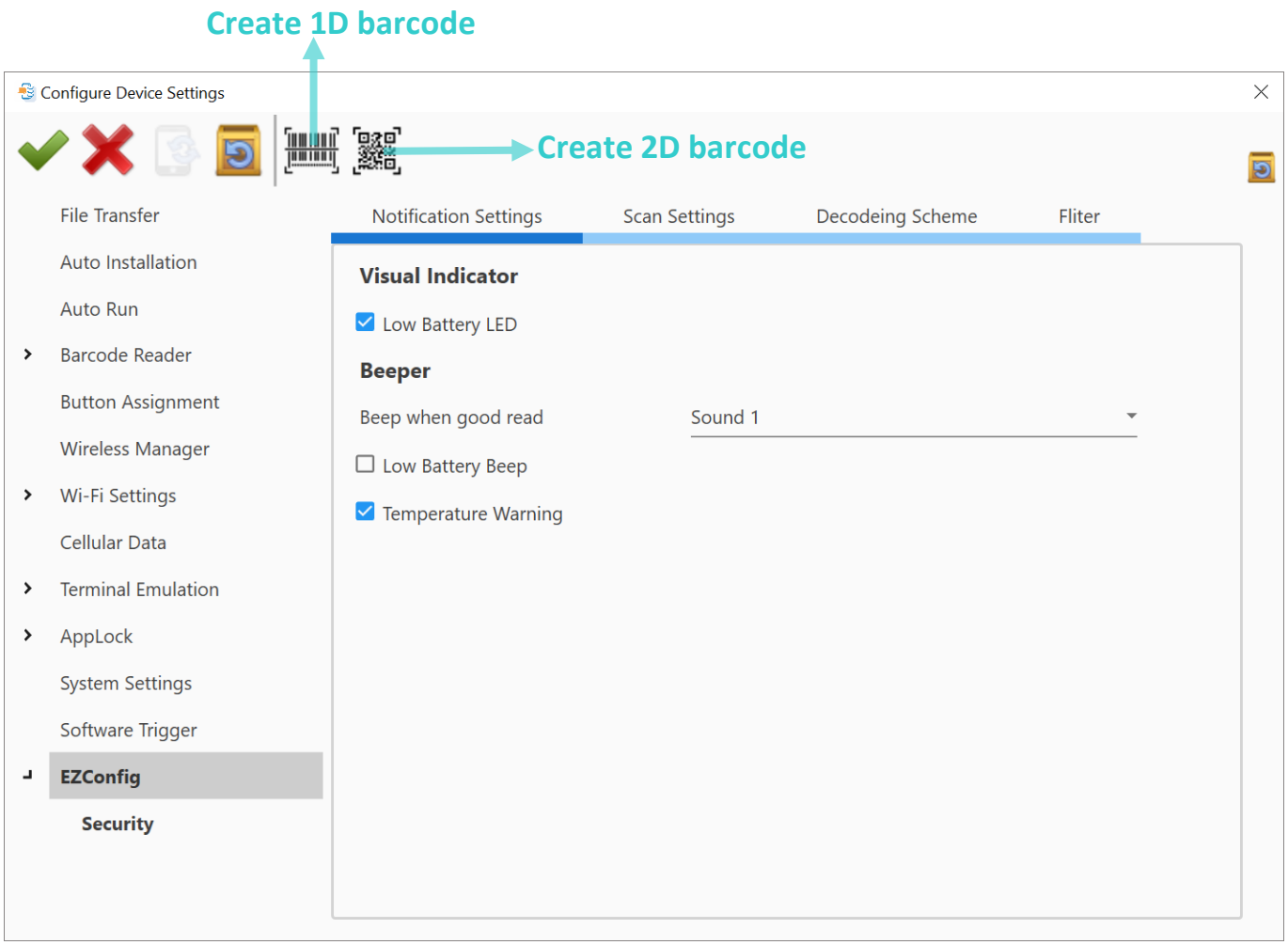


6) The configurations of your devices is complete.

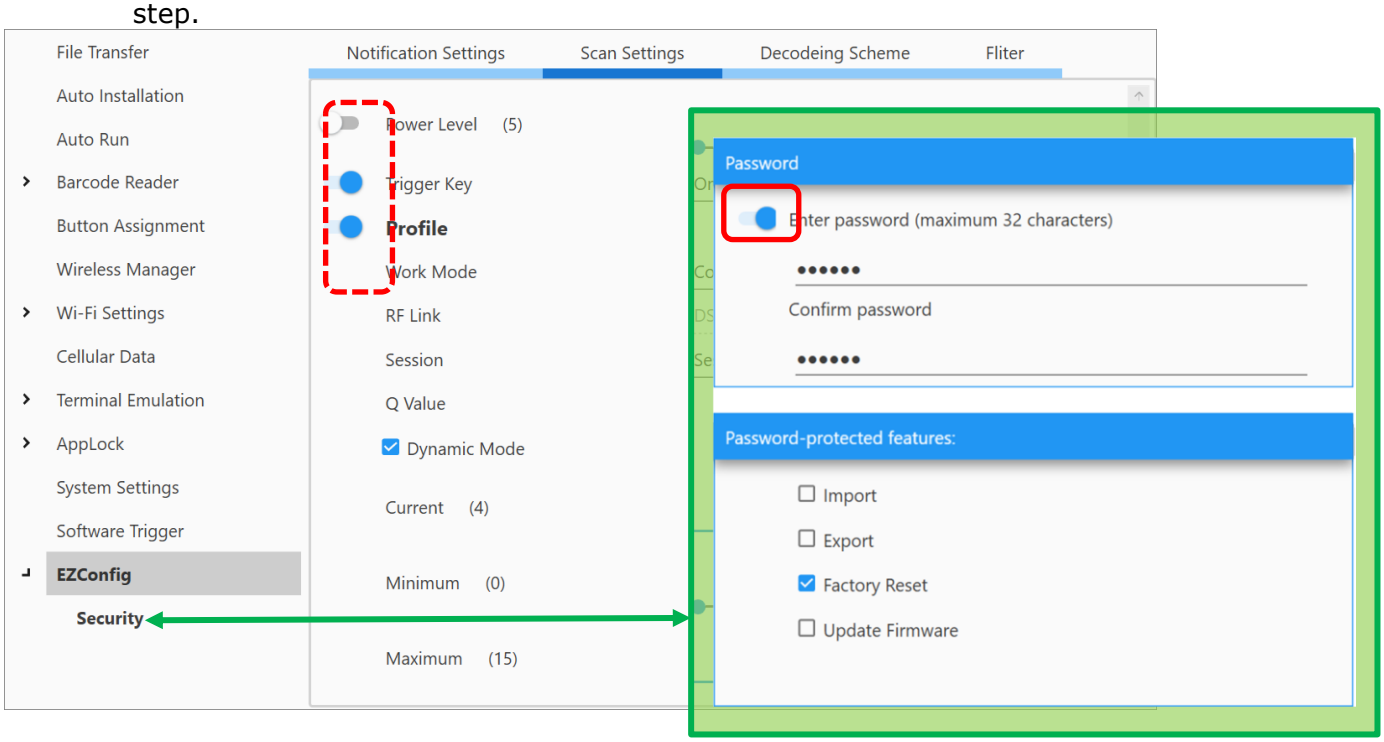
3.12 EZCONFIG

1) Go through every tab pages and "**Security**" page under "**EZConfig**" for configuration. Please refer to EZConfig for detailed settings.

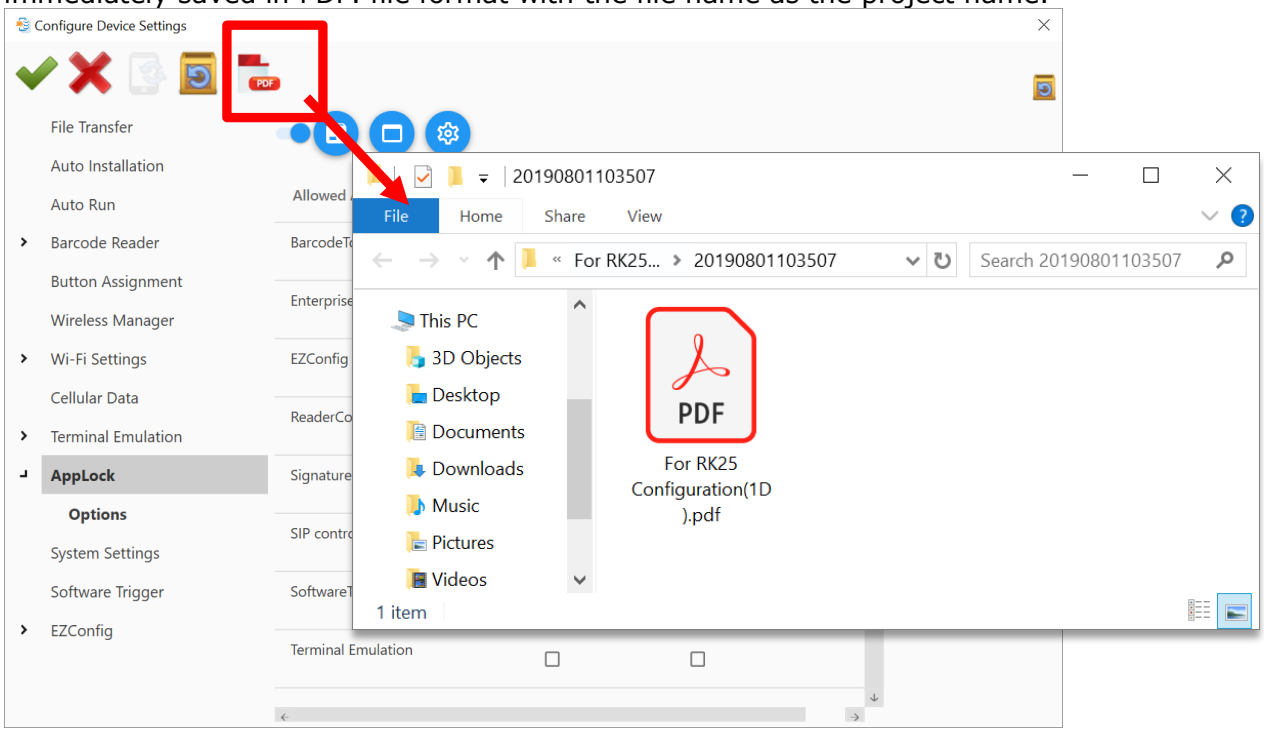
2) Depending on the barcode type you would like to generate, click on the button "**Create 1D barcode**" or "**Create 2D barcode**" on the tool bar:



3) Click on the switch to select the settings to be exported on each tab page, and decide whether to export the "**Security**" settings. The settings are still configurable in this step.

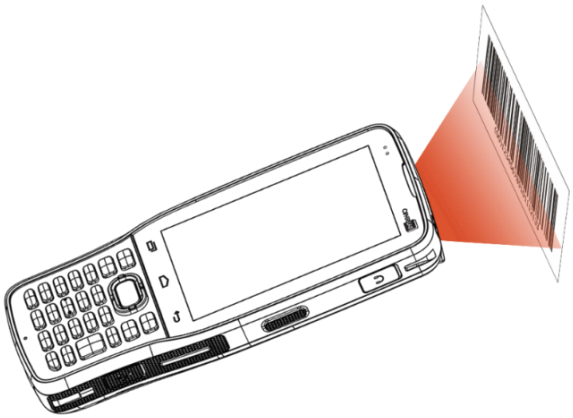


4) Click on "**Create PDF file**  " button to generate the barcode which will be immediately saved in PDF. file format with the file name as the project name.



Note: You could export all your demand settings available for generating barcodes at one time.

5) Print out the barcodes for your devices to scan sequentially to apply the configuration.



6) The configurations of your devices is complete.

MULTI-LANGUAGE SUPPORT

Other than the default interface languages, you can customize your own language file and apply it to this program.

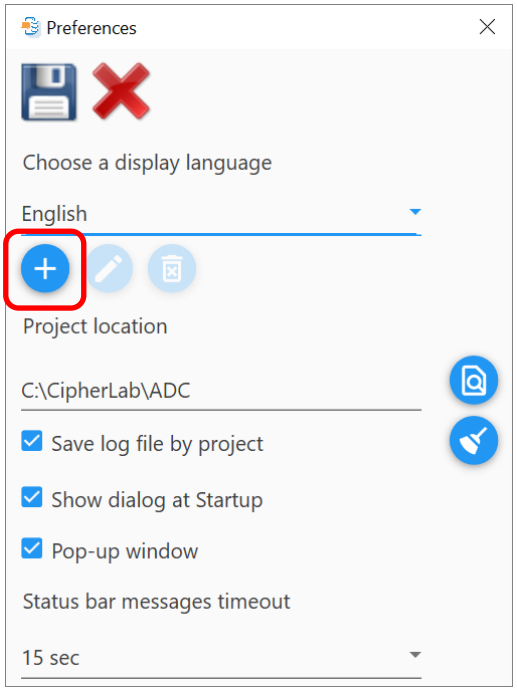
IN THIS CHAPTER

4.1 Create Your Own Language File 125
4.2 Edit Your Own Language File 129

4.1 CREATE YOUR OWN LANGUAGE FILE

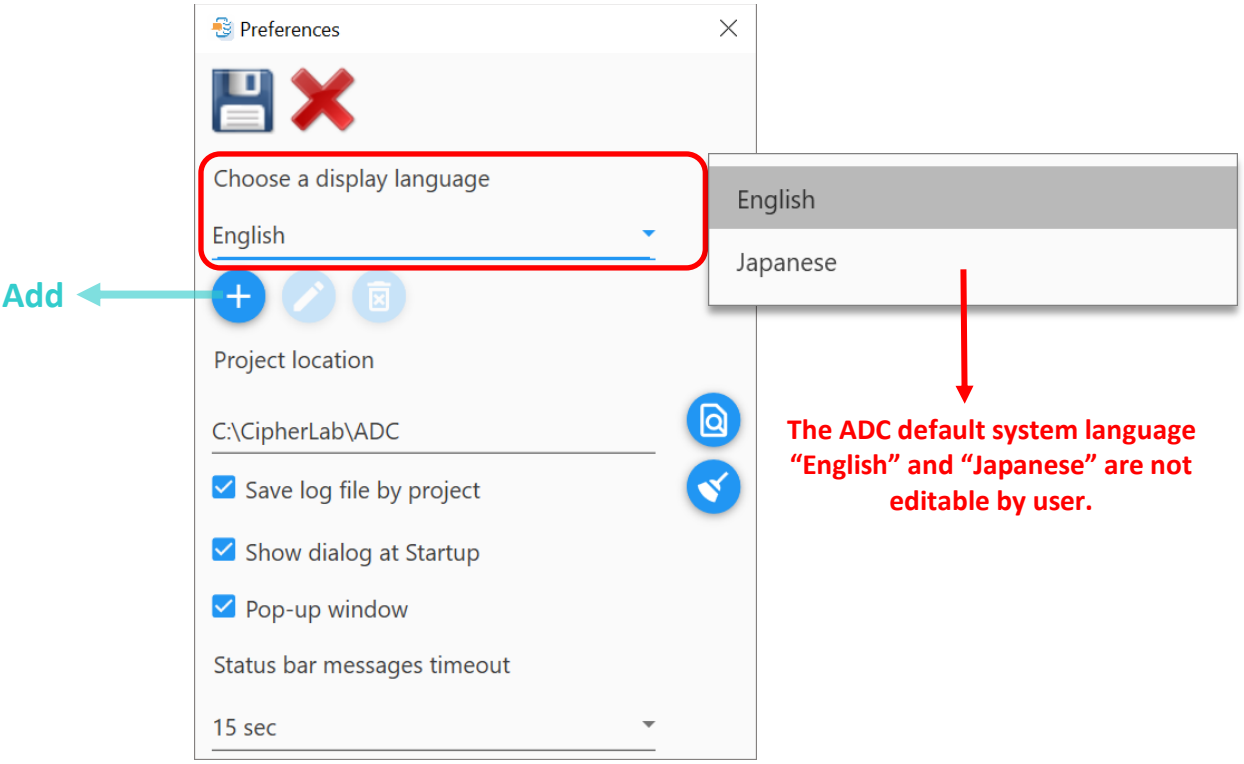
1) Click on **Preferences** on the Toolbar to open "**Preference**" window.

2) Click on on "**Add**" to create your own display language. **English** and **Japanese** are both system default languages, to which you are not allowed to make modifications.

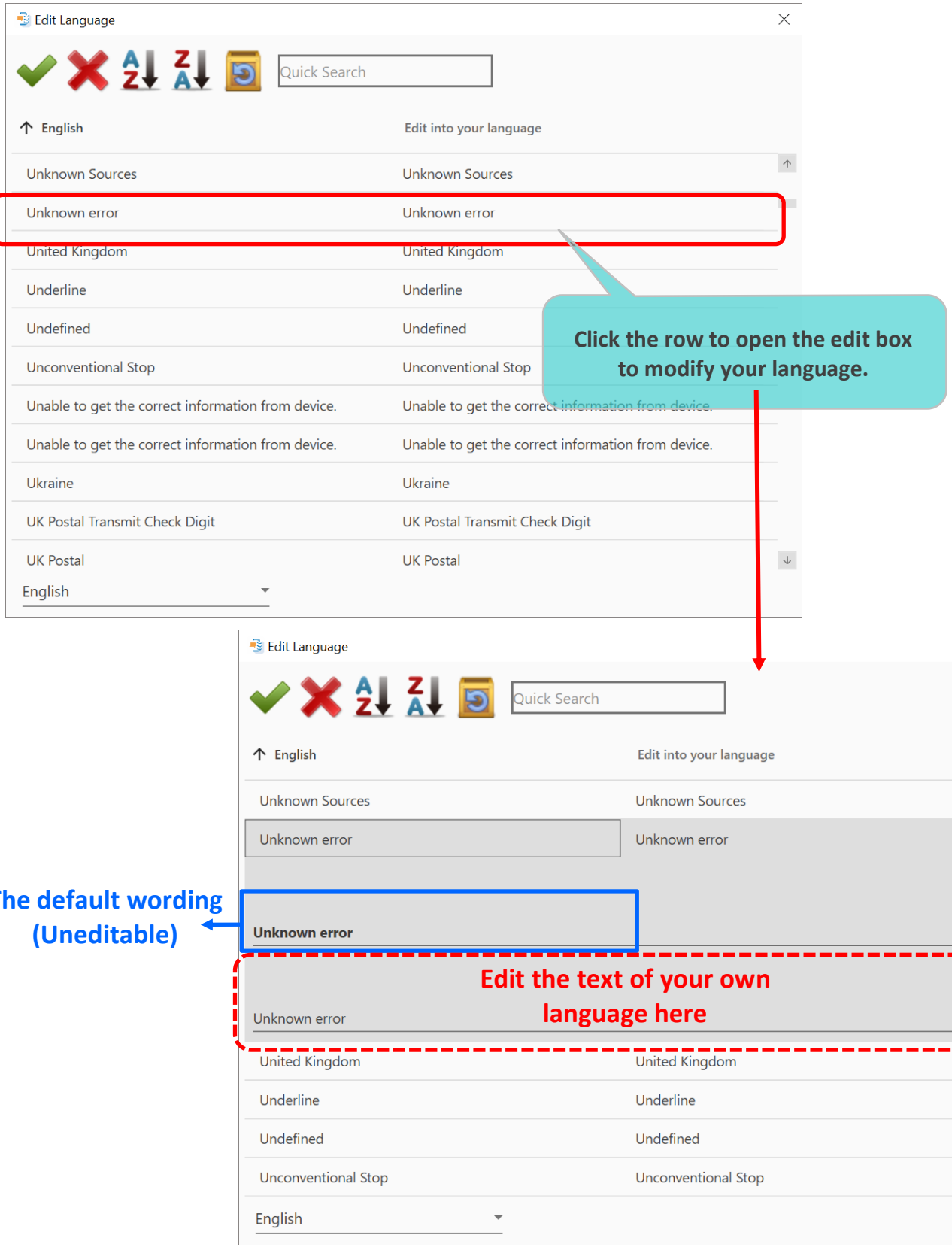


- **Save** : Save the settings and close the "Preference" window.
- **Cancel** : Directly close the "Preference" window without saving any change.
- **Add** : Add a new display language.
- **Edit** : Edit the selected display language.
- **Delete** : Delete the selected display language.

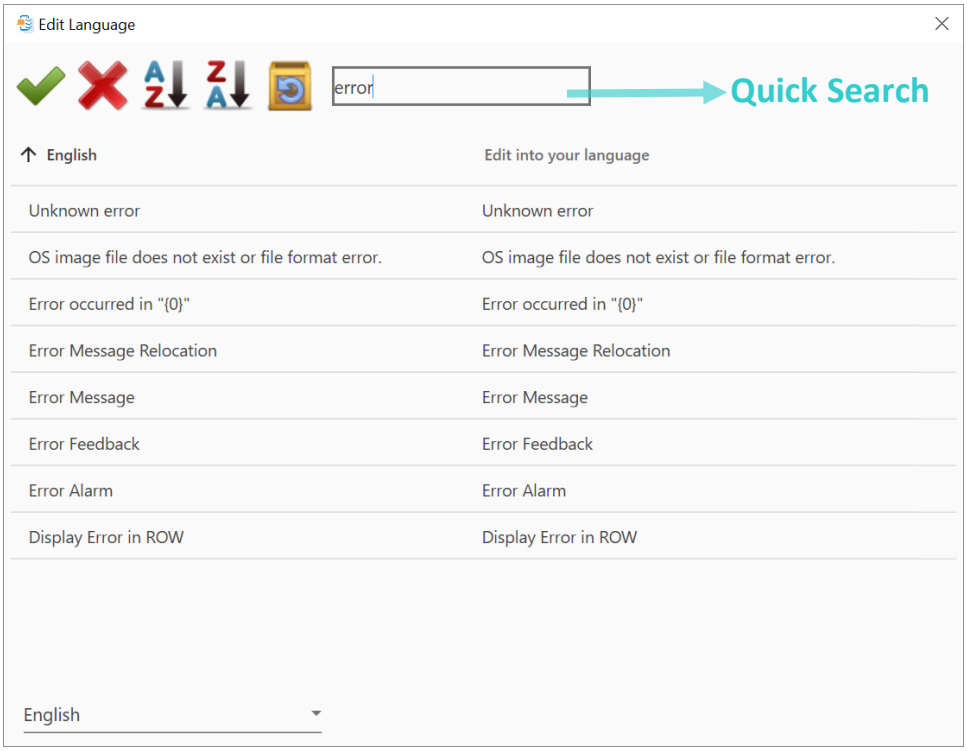
3) Click on "**Add**" to create your own display language. **English** and **Japanese** are both system default languages, to which you are not allowed to make modifications.



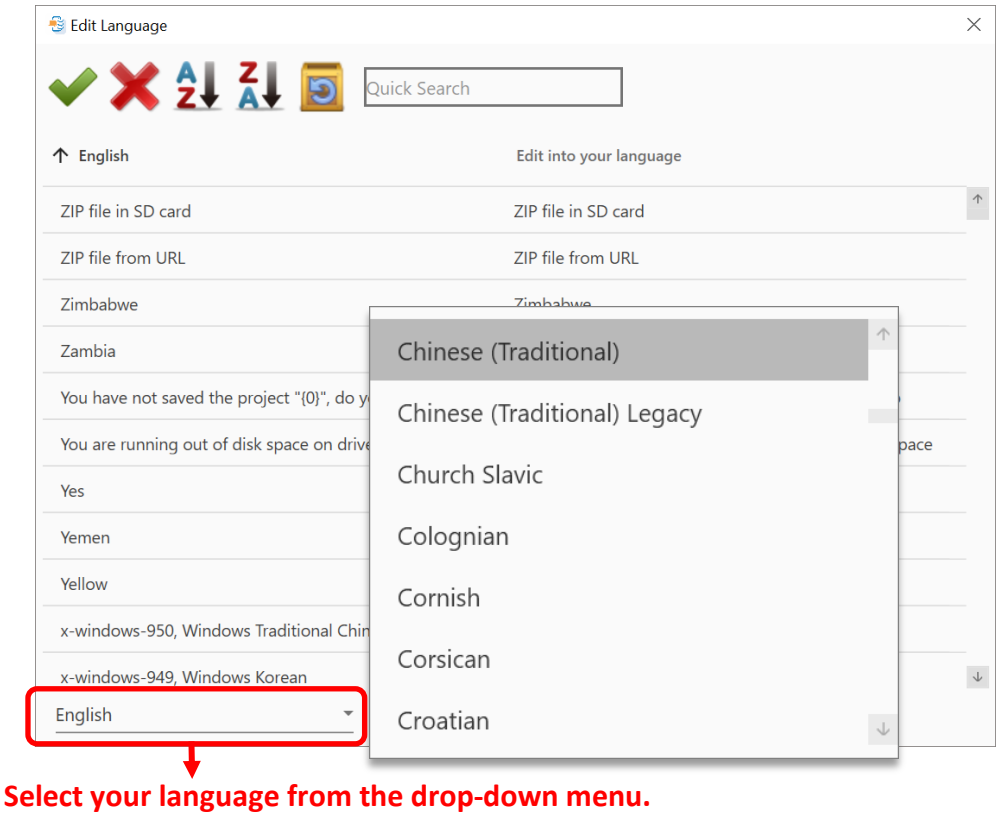
4) On **Edit Language** window, select the listed item whose wording you would like to modify. The default wording is shown on the left while the one on the right is for editing into your language. Input the text in the edit box.



5) In **order** to locate your desired item, you can change the alphabetical order of the entries or make use of the **Quick Search** box.



6) Select a label for your language from the drop-down menu on the lower-left and click on "**Apply** ", you will have new option(s) for the display language.



The tool bar buttons in "**Edit Language**" window are as below:

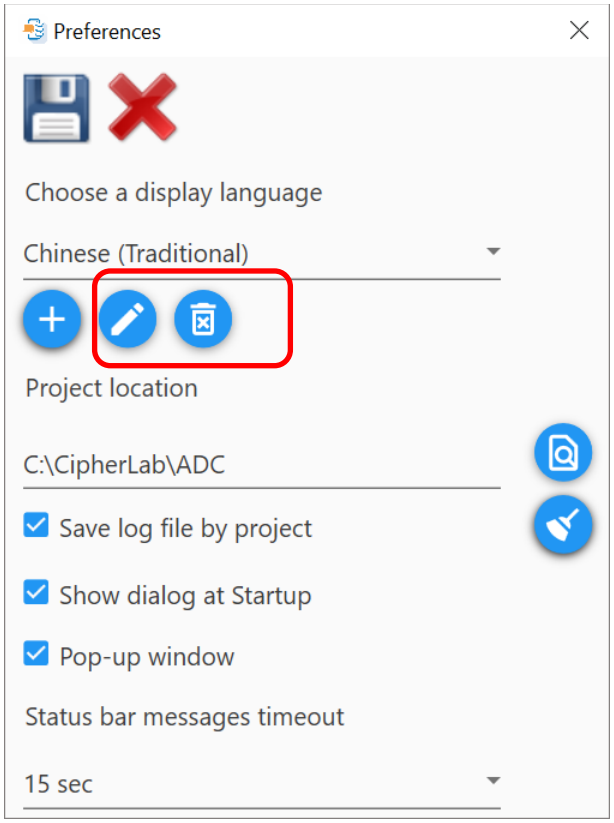
Button	Description
	**Apply:** Click "**Apply**" button to save all the wording you edit. Please note that you need to select your edit language from the drop-down menu before applying. The "**Edit Language**" window will be closed once the setting is saved.
	**Cancel:** Click "**Cancel**" button to directly close the "**Edit Language**" window without saving any setting changes.
	**Ascending:** To display the default wording (English) in alphabetical order from A to Z.
	**Descending:** To display the default wording (English) in alphabetical order from Z to A.
	**Reset:** Reset all the language editing changes to default.

4.2 EDIT YOUR OWN LANGUAGE FILE

You can edit and delete a customized language file.

1) Click on "**Preferences** " on Toolbar.

2) Choose the language tag. To delete it, click on "**Delete**" or click on "**Edit**" to modify its content.



- **Save** : Save the settings and close the "Preference" window.
- **Cancel** : Directly close the "Preference" window without saving any change.
- **Add** : Add a new display language.
- **Edit** : Edit the selected display language.
- **Delete** : Delete the selected display language.
- **Browse** : Browse through the PC folder to designate the location to save your ADC projects.
- **Clear Log** : Clear all log files.

- **Save log file by project**: Decide whether to have logs saved (in ADC program folder) while working on your project. You may click "**Clear log** " to clear all log files if necessary.
- **Show dialog at Startup**: Decide whether to show the following dialog when ADC starts. You may de-select the checkbox right inside the dialog or in Preferences.
- **Pop-up window**: Decide whether to show the status message on the pop-up window.
- **Status bar messages timeout**: Adjust status bar messages timeout if necessary.

3) Make sure to click on "**Save** " to save your settings.