CipherLab User Guide

Android Deployment Configurator

For Android[™]

9700A RS30 RS31 RS35 RS50 RS51 RK25 RK95 HERA51

Version 1.11



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RELEASE NOTES

Version	Date	Notes
1.11	May 28, 2021	Revise based on version 1.09.
		 RS35 mobile computer & RK95 mobile computer Cold Chain model are supported.
		Update all figures.
		 Rearrange all chapters and contents.
		 Remove the description about WMDS.
		 Add the description about "Keypad Layout" & "Cold Chain" to Section 1.3.1 "New Project"
		 Add new sections "Compressed project files" & "Customize Android Setup Wizard" to Chapter 2 "Project Management & Main Screen".
		 Add the description about the toolbar button "Description" to Section 2.1.2 "ADC System Setting buttons"
		 Add new section "Overview" & "Customize" to Chapter 3 "Customize Project Configuration".
		 Add new sections "Auto Permission" & "Other Configuration" to Section 3.3 "Apps".
		 Add the description about "Delete WLAN connected list" to Section 3.7 "Wi-Fi Settings".
		 Update Section 3.14 "Enterprise Settings".
		 Add the description about "ZIP File from FTP" to Section 3.17 "Advanced System Settings".
		Add new chapter: Apply Configuration to Device.
1.10	Sep. 02, 2020	 Modified: Getting Started – sections and contents rearranged
		 Modified: 1.4.2 Advanced System Settings – ADC files backup onto hidden partition added
		 Modified: 2.6.5 Barcode Reader – description revised
		 Modified: 2.6.9 Wi-Fi Settings – Wi-Fi Connection Timeout added
		 Modified: 2.6.11 Terminal Emulation – description for all functions added
		 Modified: 2.6.13 System Settings – Notifications & Sound added
		 Modified: 2.6.15 EZConfig (for RK25 UHF RFID Reader) – power mod & descriptions for all tabs appended
		 New: 2.6.16 Enterprise Settings
		• New: 2.6.17 SIP Controller
		 Modified: Chapter 3 Barcode To Setting – only the Barcode Reader tab reserved for example demonstration

Version	Date	Notes
1.09	Feb. 4, 2020	RK95 mobile computer is supported.
		 Update all figures in Section 1.3 "Start with a New Project".
		 Update the figures in "Enable a Profile" of Section 2.6.5 "Barcode Reader".
		 Add "Advanced Data Formatting" to Section 2.6.5 "Barcode Reader" & Section 3.3 "Barcode Reader".
		 Add description about "Performance Mode" & "Balance Mode" to "Battery" part in Section 2.6.13 "System Settings" and update the related figure.
		 Add description & figure about RK95 to "System" part in Section 2.6.13 "System Settings".
1.08	Nov. 15, 2019	 Add "OS Image Update Method" to Section 1.5 "Main Screen".
		Update Section 1.5.3 "Preference".
		 Update the releated figures. .
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.

Version	Date	Notes
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 function "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. 1 st , 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		
GETTING STARTE	D	
1.1	Prerequisites	12
1.2	Install ADC Program on PC	14
1.3	Project	17
1.3.1.	New Project	17
1.3.2.	Existing Project	22
PROJECT MANAG	EMENT & MAIN SCREEN	24
2.1	Toolbar on Main Screen	25
2.1.1.	Project Setting buttons on Toolbar	26
2.1.2.	ADC System Setting buttons	39
2.2	Configurable Deployment Tasks & SnackBar	45
2.2.1.	General Options	46
2.2.2.	Application Options	48
2.2.3.	Reboot after Deployment	50
2.2.4.	SnackBar & Messages	50
2.3	Manage Projects	51
2.3.1.	Create a Project	51
2.3.2.	Open a Project	54
2.3.3.	Delete a Project	56
2.3.4.	Duplicate a Project	57
2.3.5.	View Project Info	59
CUSTOMIZE PROJ	IECT CONFIGURATION	60
3.1.	Overview	61
3.1.1.	Configurable Settings	62
3.1.2.	Buttons on Configure Device Settings Toolbar	64
3.1.3.	How to Synchronize the device Settings	66
3.1.4.	Save the Changes of Configure Device Settings to the Project	71
3.2.	File Transfer	72
3.3.	Apps	74
3.3.1.	Auto Installation	75
3.3.2.	Auto Run	77
3.3.3.	Auto Permission	79

3.3.4.	Other Configurations	81
3.4.	Barcode Reader	84
3.4.1.	Profile Management	86
3.4.2.	Edit Profile	90
3.4.3.	Security	103
3.5.	Button Assignment	104
3.5.1.	Button Assignment (for RS30, RS31, RS50, RS51, & HERA51)	104
3.5.2.	Buttom Assignment (for RS35, RK25, RK95, & 9700A)	107
3.6.	Wireless Manager	118
3.7.	Wi-Fi Settings	119
3.8.	Cellular Data	122
3.9.	Terminal Emulation	124
3.9.1.	Session Settings	125
3.10.	AppLock	137
3.10.1.	Add App	138
3.10.2.	Create a new App item	139
3.10.3.	Add Shortcut	140
3.10.4.	Add Package Naming Rule	141
3.10.5.	Edit	142
3.10.6.	Options	146
3.11.	System Settings	148
3.11.1.	Device	148
3.11.2.	Personal	150
3.11.3.	System	151
3.12.	Software Trigger	152
3.13.	EZConfig	153
3.13.1.	Notification Settings	153
3.13.2.	Scan Settings	154
3.13.3.	Decoding Scheme	156
3.13.4.	Filter	157
3.13.5.	Other	159
3.13.6.	Security	160
3.14.	Enterprise Settings	161
3.14.1.	Enterprise Settings on RK95 Cold Chain Model	162
3.15.	SIP Controller	164
3.16.	Customize	165
3.17.	Advanced System Settings	166

APPLY CONFIGU	RATION TO DEVICE	167
4.1.	Deploy All Settings to Devices	168
4.2.	Compressed File on Google Drive	171
4.2.1.	Upload the Compressed Project Files to Google Drive	171
4.2.2.	Scan Barcode(s) to Download Project File for Apply Settings	173
4.3.	Apply Your Selected Configurations	175
4.3.1.	Generate the Setting Barcode	175
4.3.2.	Apply the Settings by Barcode To Setting	178
4.4.	Deploy From URL	
4.4.1.	Create ADC Zip File	
4.4.2.	Create the URL	184
4.4.3.	Generate 2D Barcode for Deploy with barcode	191
MULTI-LANGUAG	E SUPPORT	193
5.1.	Create Your Own Language File	194
5.2.	Edit Your Own Language File	198

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

Chapter 1

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	
1.2 Install ADC Program on PC14	
1.3 Project	

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.

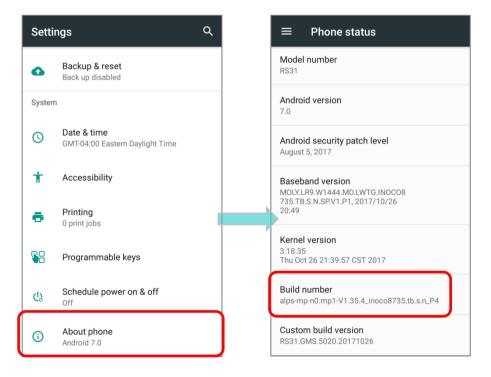
After devising the configuration tasks using ADC program, deploy them to your devices with WMDS program, please:

- 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:

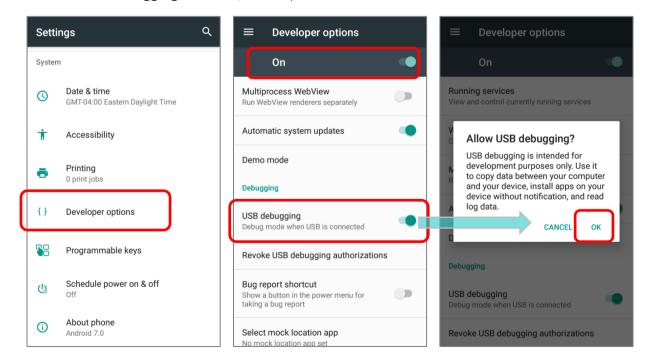
1) Go to All Apps | Settings | About phone | Build number.



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.

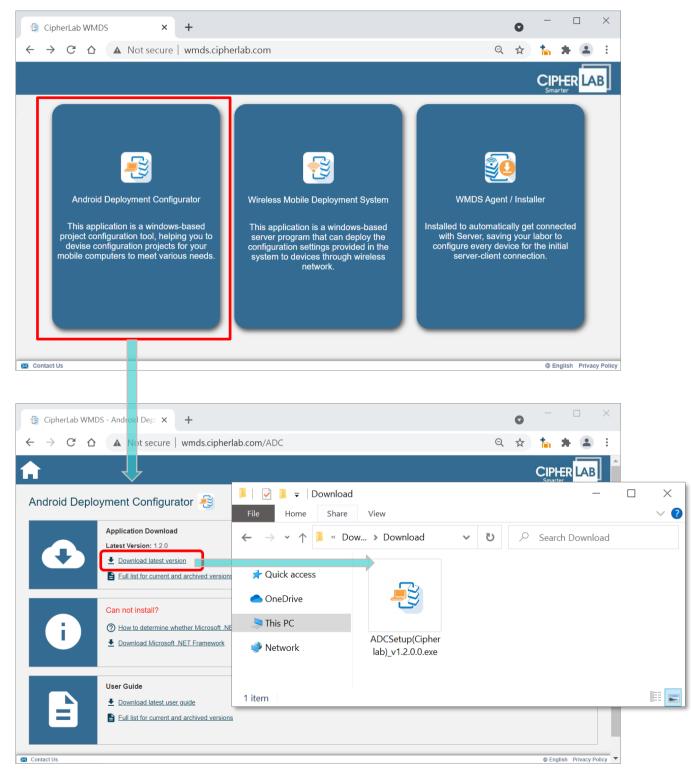
\equiv Phone status	\equiv Phone status
Model number	Model number
RS31	RS31
Android version	Android version
7.0	7.0
Android security patch level	Android security patch level
August 5, 2017	August 5, 2017
Baseband version	Baseband version
MOLY.LR9.W1444.MD.LWTG.INOC08	MOLY.LR9.W1444.MD.LWTG.INOC08
735.TB.S.N.SP.V1.P1, 2017/10/26	735.TB.S.N.SP.V1.P1, 2017/10/26
20:49	20:49
Kernel version	Kernel version
3.18.35	3.18.35
Thu Oct 26 21:39:57 CST 2017	Thu Oct 26 21:39:57 CST 2017
Bolid number about You are now 4 steps away from being about developer.	Build number alps-mp-n ^o You are now a developer!
Custom build version	Custom build version
RS31.GMS.5020.20171026	RS31.GMS.5020.20171026

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

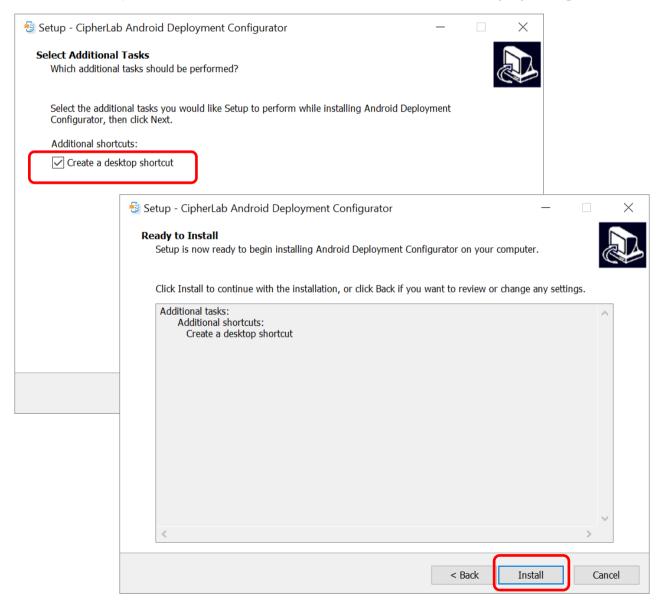
1) Download ADC program installer from http://wmds.cipherlab.com/ to your PC and run it by following its on-screen instructions.



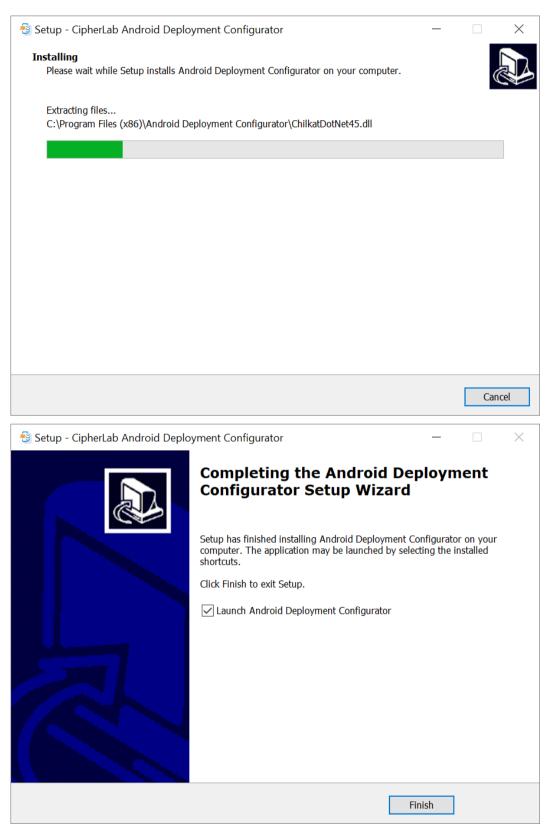
2) Select the display language., and start to install Android Deploy Configurator.

Select S	etup Language	×
- B	Select the language to use during the installation.	
	English	✓ English 日本語 简体中文
	OK Cancel	繁體中文

3) Choose the additional task(s) to be performed (whether to create a shortcut on desktop), and confirm your selection. Click "Install" to start to install Android Deploy Configurator.



4) The installation will be done within few minutes. By checking "Launch Android Deploy Configurator" on completing setup wizard window, you can start ADC right after "Finish".



1.3 PROJECT

Everytime **Android Deployment Configurator** is executed, it starts with a startup dialog for the user to select an existing project or create a new one:

	Senter Android Deployment C	onfigurator	\times		
Cancel <	<u> </u>	New Project			
	Select an existing project:				
	Project Name	Project location			
	Project 1	C:\CipherLab\ADC\Project 1			
	Project 2	C:\CipherLab\ADC\Project 2			
	RS35 Configuration	C:\CipherLab\ADC\RS35 Configuration			
		the existing projects			
	÷		\rightarrow		
	Show dialog at Startu	p			

1.3.1. NEW PROJECT

To start with a new project:

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

	S Android Deployment Configurator			
Cancel 🗲	New Project			
	Select an existing project:			
	Project Name Project location			
	Show dialog at Startup			

2) On New Project window, define the scope of your project and then click on "Apply " 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.

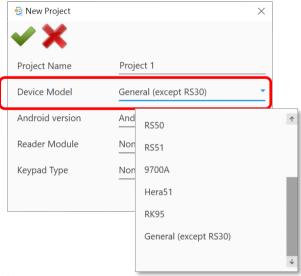
	号 New Project		×
Apply	 ✓ X 	> Cancel	
	Project Name	RK25 Configuration	
	Device Model	RK25	•
	Android version	Android 9.0	•
	Reader Module	2D Reader (SE4750SR)	•
	Keypad Type	28 Key	•
	UHF RFID		

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.



Android version

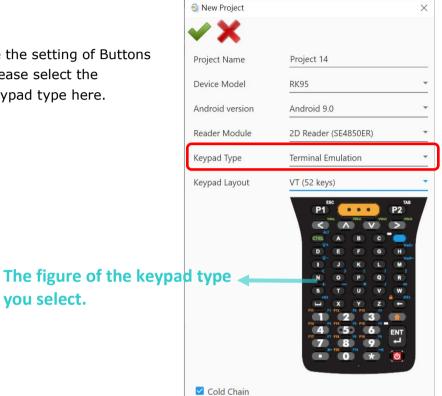
You may need to further select Android version depending on the device model you select.

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.



Note:

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

髫 New Project		\times	
<x <<="" td=""><td></td><td></td><td>None</td></x>			None
Project Name	Project 1		25 Key
Device Model	General (except RS30)	•	28 Key
Android version	Android	•	Numeric
Reader Module	None	*	Numeric + Function
Keypad Type	None		Terminal Emulation

😼 New Project **Keypad Layout** × For the device model "9700A" and "RK95", Project 20 Project Name if "Keypad Type" is set as "Terminal Device Model **RK95 Emulation**", you have to further select Android version Android 9.0 "Keypad Layout". Reader Module 2D Reader (SE4850ER) Keypad Type Terminal Emulation Keypad Layout TN3270 (52 keys) **P1 P**2 The figure of the keypad layout you select. Cold Chain

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 work with RK25 UHF RFID Reader to read RFID tags.

😼 New Project		×
~ X		
Project Name	RK25 Configuration	
Device Model	RK25	-
Android version	Android 9.0	•
Reader Module	None	•
Keypad Type	None	•
UHF RFID		

Cold Chain

If this project is for **RK95 Mobile Computer Cold Chain Model**, please check **"Cold Chain**" to aquire the specific configurations of <u>Enterprise Settings</u> for this device model.

😼 New Project		×
~ X		
Project Name	Settings for RK95	
Device Model	RK95	*
Android version	Android 9.0	*
Reader Module	None	*
Keypad Type	None	*
Cold Chain		

3) Once completing the settings on **"New Project**" dialog, click on **"Apply ***" to enter the

<u>main screen</u>. Make sure to click on **Save Project** to save this project after modifying detailed settings, and this project will be listed on the existing project list.

😼 New Project	×	
\checkmark		
Project Name	RS35 Configuration	
Device Model	RS35 -	
Android version	Android 10.0	
Reader Module	2D Reader (SE4770)	
Keypad Type	None	
SS35 Configuration		- 🗆 ×
Android Deploymen	t Configurator	
Z 🛎 🖳 🛛	o 🚞 🔜 🕟 📥 🖄	🔀 🕃 🐻
Specify your deployment ta	sk(s)	
All Device Configuration	Save the newly-created project after modifying the detailed setting	5.
General Options	Application Options	
File Transfer	Button Assignment	•
Auto Installation	Terminal Emulation	
🗆 Auto Run	AppLock	
Auto Permission	Software Trigger	
U Wireless Manager	Enterprise Settings	
🛛 🗆 Wi-Fi Settings	SIP Controller	
Cellular Data		
System Settings	4	*
Reboot after Deployment		
		.i.

1.3.2. 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*.

 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.

😼 Android Deployment C	Configurator	×
2 🖄 🗶 💋		
Select an existing proj	ect:	
Project Name	Project location	
Project 1	C:\CipherLab\ADC\Project 1	
Project 2	C:\CipherLab\ADC\Project 2	
RS35 Configuration	C:\CipherLab\ADC\RS35 Configuration	
		\rightarrow
Show dialog at Start	qu	

The buttons on startup dialog are:

ltem	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 of the project you just enter, check the configuration types you are about to modify from "General Options" and "Application Options" in "Specify your

deployment task(s)" area and then click on **Configure**" to open **Configure Device Settings** screen for modifying device configuration.

SS35 Configuration П X Android Deployment Configurator N: 🔒 🐻 📥 🏏 Specify your deployment task(s) 1 All Device Configuration **General Options Application Options** File Transfer Button Assignment Auto Installation Terminal Emulation Auto Run AppLock Auto Permission □ Software Trigger U Wireless Manager Enterprise Settings ☑ Wi-Fi Settings SIP Controller Cellular Data System Settings Reboot after Deployment

(See Customize Project Configuration for details.)

3) Once your modification on Configure Device Settings screen is done and successfully saved, you'll return back to Main Screen. Be sure to click on "Save Project "" to save your changes, or click on "Save Project as "" to save your configurations to be a new project.

Chapter 2

PROJECT MANAGEMENT & MAIN SCREEN

ADC main screen is where you can configure ADC system settings, and manage and specify your project(s). In this chapter, we will go through every part of the main screen and introduce how to manage the projects.

IN THIS CHAPTER

2.1 Toolbar on Main Screen	25
2.2 Configurable Deployment Tasks & SnackBar	45
2.3 Manage Projects	51

2.1 TOOLBAR ON 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.

ndroid Deployment Cor 🔰 🧀 💾 🎽 🚺		Toolbar	🕅 🛆 🔜 🙆 🌶
			N 🖻 🖸 🔍 💙
pecify your deployment task(s)			
All Device Configuration			
General Options	Application Options		
□ File Transfer	Button Assignment	\uparrow	
Auto Installation	Terminal Emulation		Configurable
🗆 Auto Run	AppLock		Deployment
Auto Permission	Software Trigger		Tasks
U Wireless Manager	Enterprise Settings		TUSKS
□ Wi-Fi Settings	SIP Controller		
Cellular Data			
System Settings	*	\checkmark	

The buttons on **"Toolbar**" can be split up into **"Project Setting buttons**" which are for project management and **"ADC System Setting buttons**" for ADC program configuration.



2.1.1. PROJECT SETTING BUTTONS ON TOOLBAR

There are 10 project setting buttons on the left side of the toolbar.

NEW PROJECT

"New Project" is to create a new project. Please refer to <u>Section 1.3.1: New Project</u> for detailed description.

	🔒 New Project		\times
Apply	< ×	-> Cancel	
	Project Name	Project 3	
	Device Model	General (except RS30)	•
	Android version	Android	*
	Reader Module	None	•
	Keypad Type	None	*

OPEN PROJECT "Open Project" is to open an existing project. Please double-click on a project on the

list or select the project and then click on "**Open** \checkmark ".

Open 🔶	Open ProjectOpen Project	→ Cancel → Delete	×
	Select an existing p	roject:	
	Project Name	Project location	
	Project 1	C:\CipherLab\ADC\Project 1	
	Project 2	C:\CipherLab\ADC\Project 2	
	RS35 Configuration	C:\CipherLab\ADC\RS35 Configuration	
	÷		\rightarrow

You may delete the selected project (which is not the active one) by clicking on "**Delete** " on "**Open Project**" window.

SAVE PROJECT

"Save Project" is to save your current project.

SAVE PROJECT AS

"Save Project As" is to save your current project to a different project name. Please refer to **Duplicate a Project** for details.

🚭 Save Project As		×
√X	> Cancel	
Project Name	RS35 Configuration	
Device Model	RS35 -	
Android version	Android 10.0	
Reader Module	None	
Keypad Type	None	
	Project Name Device Model Android version Reader Module	Cancel Project Name RS35 Configuration Device Model RS35 Android version Android 10.0 Reader Module None

PROJECT INFORMATION

• **Project Information**" lists the information about the current project.

🚭 Project Infomation		×
Project Name	RS35 Configuration	
Device Model	RS35	
Android version	10.0	
Reader Module	None	
Keypad Type	None	

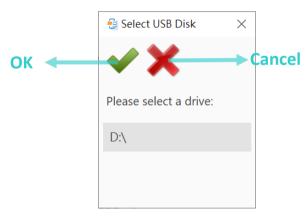
OPEN ADC FOLDER

"Open ADC Folder" is to open the project folder on your PC. You may view, delete or duplicate project files. By default, all projects are saved in *C:\CipherLab\ADC*, which can be modified in <u>Preferences</u>.

📕 🛃 📮 ADC			- 🗆 X
File Home Sha	re View		~ ?
← → · ↑ 🖡 «	CipherLab > ADC	ע גע אין	ADC
> duick access	Name	Date modified	Туре
	Project 1	5/8/2021 3:59 PM	File folder
> 🦲 OneDrive	Project 2	5/8/2021 3:59 PM	File folder
🔉 🗢 This PC	Project 3	5/9/2021 8:29 PM	File folder
> 🕩 Network	RS35 Configuration	5/8/2021 3:57 PM	File folder
	<		>
4 items			



"Save to SD Card" is to 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

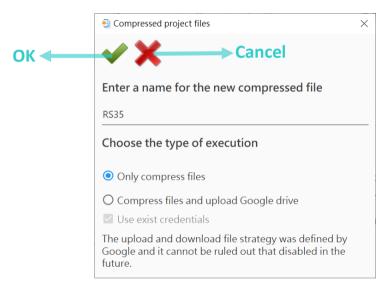
"Deploy" is to save and deploy the current project to the connected device via USB connection.

COMPRESSED PROJECT FILES

Except of save the current project to SD card by "**Save to SD Card** ", you can save the project to the roject folder on your PC or upload it to your Google drive by "**Compressed**

project files 🗎

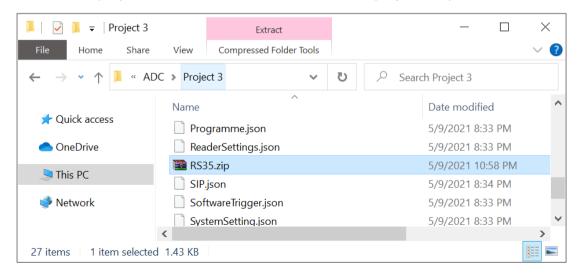
Through "Compressed project files ", the current project will be saved as a .zip file.



Please enter the file name, choose whether to "Only compress files" or "Compress files and upload Google drive", and click on "OK \checkmark ".

ONLY COMPRESS FILES

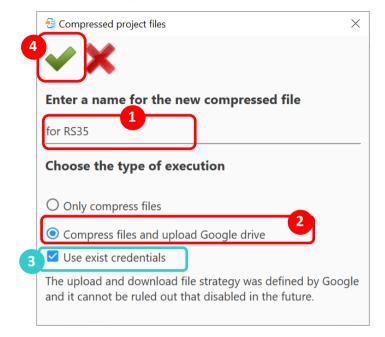
The current project will be saved to the folder of this project on your PC.



COMPRESS FILES AND UPLOAD GOOGLE DRIVE

Please follow the steps below to upload the zip file to your Google drive:

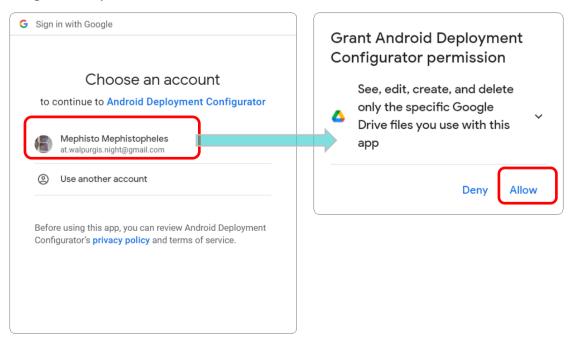
 Enter the file name, choose "Compress files and upload Google drive", select whether to "Use exist credentials", and click on "OK "".



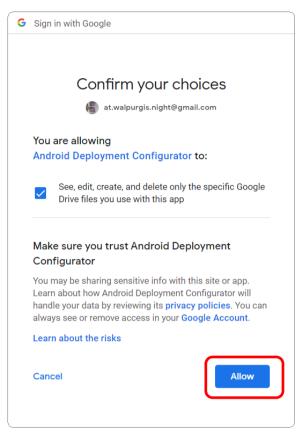
Note:

By checking "Use exist credentials", you may skip the login and granting process if your google drive account is already successfully logged in to the server and sent the credential file back.

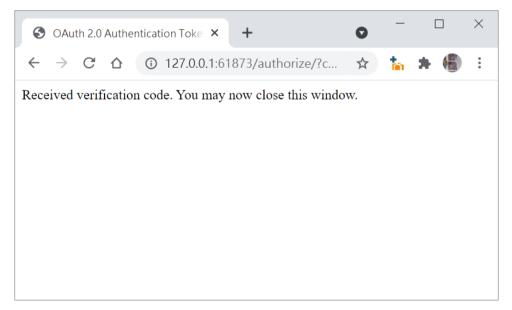
2) A page for signing in your Google account opens in the browser. Please sign in and then grant the permission for ADC.



3) Confirm your permission.



4) As the web page shows "**Received verification code. You may now close this window**", it means you are successfully to log in to the server and get the credential file, and the zip file is uploaded to your Google drive. Please retuen to ADC for the next step.



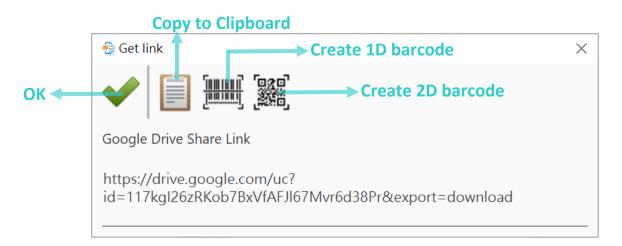
Note:

If you fail to log in to the server and get the credential file in step 4 as the below figures shows:

This site can't be reached	
localhost refused to connect.	
Try: • Checking the connection • Checking the proxy and the firewall	
ERR_CONNECTION_REFUSED	
Reload	Details
8	
This site can't be reached	
127.0.0.1 refused to connect.	
Try: • Checking the connection • Checking the proxy and the firewall	
ERR_CONNECTION_REFUSED	
Daland	
Reload	Hide details

Please disable the firewall on your PC and then upload the zip file by "Compress files and upload Google drive" again.

5) The window "Get link" shows up:



And here you can:

• Уок

To close "Get link" window.

Clipboard

To copy this google drive share link.

Create 1D barcode

To export and generate this google drive share link as 1D barcodes for your mobile computers to apply the project configurations by scanning the barcodes with the application "BarcodeToSetting".



Create 2D barcode

To export and generate this google drive share link as 2D barcode for your mobile computers to apply the project configurations by scanning the barcode with the application "BarcodeToSetting".

Note:

The URL is impracticable for device(s) to download if the size of the uploaded ADC .zip file exceeds Google drive limits.

To check whether the file size is appropriate, please enter the URL you just created to the browser to check whether it prompts the file is too large to be scanned for viruses as the below figure shows:

Google Drive can't scan this file for viruses.

ADC.zip (820M) is too large for Google to scan for viruses. Would you still like to download this file?

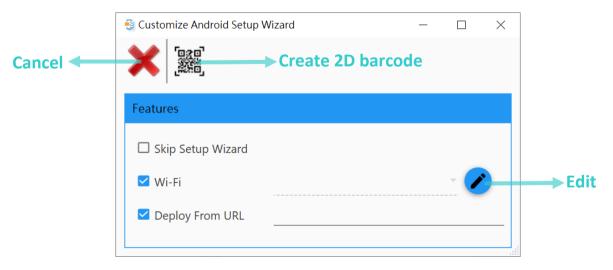
Download anyway

CUSTOMIZE ANDROID SETUP WIZARD

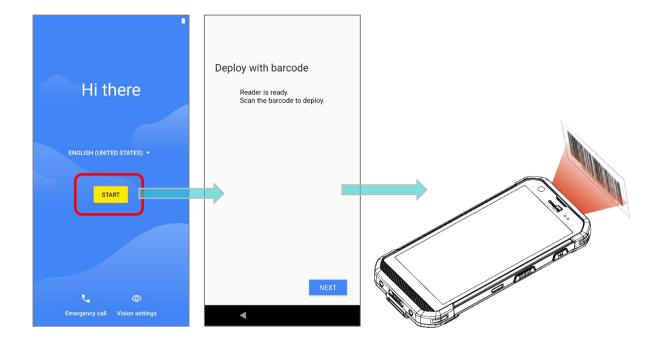
As the mobile computer boots up for the first time after the reset, the setup wizard (Welcome wizard) will run you through setting up the environment as well as restoring apps and data.

Hi there
ENGLISH (UNITED STATES) 👻
START
C © Emergency call Vision settings

***Customize Android Setup Wizard**" is for you to make changes to the setup wizard according to your need. Simply generate your preference settings as a 2D barcode for your mobile computer(s) to scan in the step of ***Deploy with barcode**".

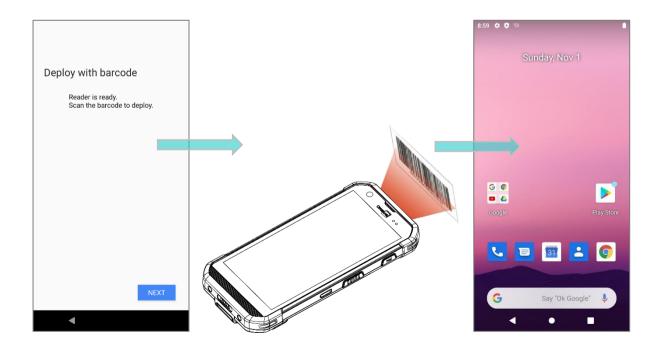


In the step of "**Deploy with barcode**", aim the device scan window at the 2D barcode you generated from "**Customize Android Setup Wizard**" window and press the trigger to read.



SKIP SETUP WIZARD

To skip the setup wizard process and directly enter Home app screen.



WI-FI

To set up the Wi-Fi connection for the mobile computers to apply by scanning the generated 2D barcode.

1) Click on "Edit \checkmark " to open the Wi-Fi settings window.

🗟 Customize Android Setup V	/izard	-	×
Features			
Skip Setup Wizard			
🗹 Wi-Fi			
Deploy From URL			

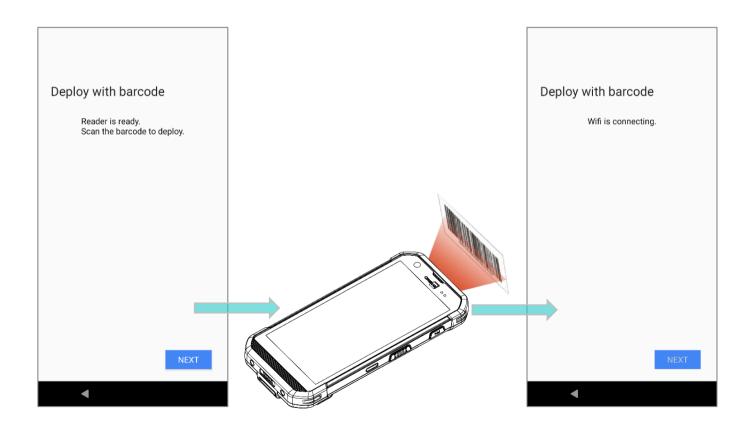
2) In the Wi-Fi settings window, click "Add +" to set the information about the Wi-Fi network, and click on "Apply".

-8		×
+		
Network Name (SSID)	Security	
Network Name (SSID)	LAB-Guest	
Security	WPA/WPA2 PSK	
Password	•••••	
Show advanced options		
Ргоху	None	
IPv4 settings	DHCP -	
Apply Cancel		

3) "Save" your settings and return to "Customize Android Setup Wizard" window to generate the setting barcode.

Save	*		×
	Cancel		
	+ 🖉 🖻 ——> Delete		
	Network Name (SSID)	Security	
	LAB-Guest	WPA/WPA2 PSK	

4) Scan the barcode by your mobile computer(s) in the step of "**Deploy with barcode**".



DEPLOY FROM URL

"**Deploy From URL**" is to deploy the ADC Project Settings to the devices by downloading the .zip file of the project from your cloud storage. Hence, you have to save your ADC project as a zip file in advance.

To deploy the ADC Project Settings by "Deploy From URL":

- 1) Save th ADC project as a .zip file.
- 2) Upload this ADC project zip file to your cloud storage.
- 3) Get the downloading link you created from your cloud storage.
- 4) Enter the link to the field "Deploy From URL".
- 5) Generate the 2D barcode for the device to scan in the step of "Deploy with barcode".

Note:

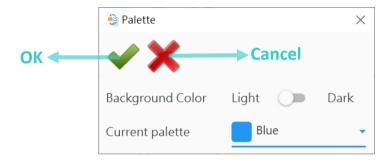
The detailed steps about deploying the ADC Project Settings by "Deploy From URL", please refer to Deploy From URL.

2.1.2. ADC SYSTEM SETTING BUTTONS

The 5 button on the right side of the toolbar are "**ADC System Setting buttons**" which are for ADC program configuration.

PALETTE

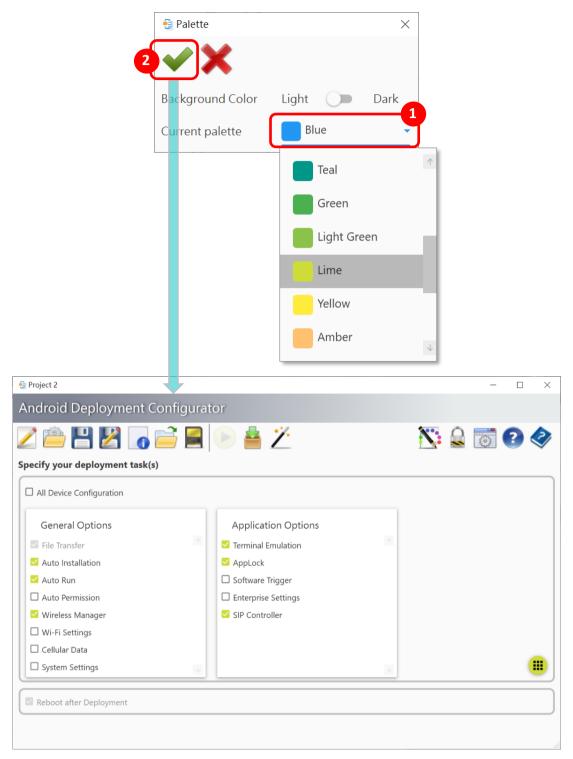
"Palette" is for user to customize the color of ADC user interface, including the background, the icons, and the borders.



- **OK** To apply the user interface settings.
- Cancel To close the pop-up window without changing any settings.
- Background Color Switch between Light and Dark to change the background color. The default setting is Light.

🚭 Project 3			- 🗆 ×
Android Deployment Configura	tor		
2 🚔 💾 😕 🚮 🚔 🗷	o 🛓 🖄	💦 🔒 💽	j 🕐 📀 🖥
Specify your deployment task(s)			
All Device Configuration			
General Options	Application Options		
☑ File Transfer	Button Assignment		
Auto Installation	Terminal Emulation		
🗆 Auto Run			
Wireless Manager	Software Trigger		
🗆 Wi-Fi Settings	Enterprise Settings		
🗆 Cellular Data			
System Settings			
Reboot after Deployment			

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



SECURITY

User can enable the password protection for certain features in ADC program through

"Security "if necessary."

To change your security settings, enter and confirm your password if you want to enable

password protection, and then click on "**Save** " to save the setting. This setting will be immediately applied.

	Cancel
	Security X
Save	Elear Password
	Enter password (maximum 32 characters)
	•••••
	Confirm password
	•••••
	Password-protected features
	New Project
	🗆 Open Project
	□ Save Project
	Deploy
	Configure Device Settings

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

PREFERENCES

"Preferences" is to change your preferences settings for display language, ADC folder location, and snackbar the if necessary.

	🚭 Preferences	\times	
Save	Cancel		
	Choose a display language		
	English		
Add	+ Delete Project location		
	C:\CipherLab\ADC	Q	> Browse
	Save log file by project	•	Clear log
	✓ Show dialog at Startup		
	✓ Observe USB Plug in/out		
	Show Snackbar		
	Snackbar messages timeout		
	15 sec		

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. Click "**Browse**" to look through the folders on your PC to locate the folder you'd like to save your ADC projects.

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 deselect the checkbox right inside the dialog or in **Preferences**.

Observe USB Plug in/out

Uncheck **"Observe USB Plug in/out**" and the main screen toolbar button **"Deploy**" the **"Configure Device Settings**" window toolbar button **"Synchronize current option**

" and "<u>Synchronize current option</u> " become available all the time even no device is connected with your PC.

ADC will never detect whether there's any connected device till any one of the foregoing buttons is pressed.

Show Snackbar

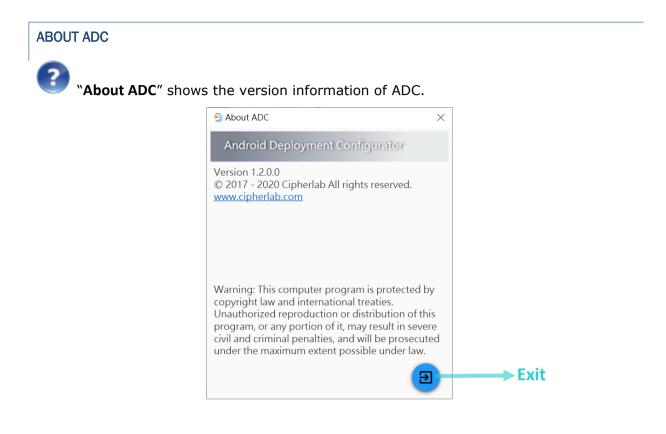
Decide whether to show the status message on Snackbar.

If "**Show Snackbar**" is deselected, the warning message and hint message will be shown by windows message box as the below figure shows.

Android Deployment Configurator	\times
Project loaded successfully.	
ОК	

Snackbar messages timeout

Adjust snackbar messages timeout if necessary. See Snackar & Messages.



DESCRIPTION

"Description" provides the links to the web pages to download the latest version of ADC User Guide and the current and archived versions of ADC programe.

	🚭 Description		\times
	🕒 Online documents		
	<u>User manual</u>	<u>Version list</u>	
	🖙 Contact us		
	_{E-Mail} test@cipherlab.com.tw		
	test		
Send 🗕			€

To report or give your feedback on ADC, please leave your e-mail and message in the fields

beneath "Contact us", and then send by clicking on "Send

2.2 CONFIGURABLE DEPLOYMENT TASKS & SNACKBAR

It is essential that you be careful with the selection made in "**Specify your deployment** task(s)", 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 ("Reboot after Deployment" is included in) applied to selected devices.

Specify your deployment task(s)

General Options		Application Options		
File Transfer	\uparrow	Barcode Reader		
Auto Installation		🗹 Button Assignment		
🗆 Auto Run		Terminal Emulation		
Auto Permission		AppLock		
Wireless Manager		✓ Software Trigger		
✓ Wi-Fi Settings		Enterprise Settings		
🗹 Cellular Data		SIP Controller		
System Settings	4	EZConfig	4	Configure

The "**Device configuration**" part contains 2 categories: one is "**General Options**", and the other is "**Application Options**". For the details about how to configure those option, please refer to <u>Customize Project Configuration</u>.

Please note that the configurable options (both "General Options" & "Application Options") listed on "Device configuration" may slightly different based on the <u>project device model</u> you set.

2.2.1. GENERAL OPTIONS

The "General Options" are:

FILE TRANSFER

To set the files to be copied to the device while deploying.

Note:

"File Transfer" is automatically selected if checking "<u>Barcode Reader</u>" or "<u>Terminal Emulation</u>" or "<u>AppLock</u>" or "<u>EZConig</u>" in Application Options part.

AUTO INSTALLATION

To set the files to be copied to device while deploying and the programs will be automatically installed upon completion of deployment.

AUTO RUN

To set the programs will be executed automatically when the device restarts.

WIRELESS MANAGER

To enable or disable Wi-Fi, Bluetooth, cellular data, and NFC.

WI-FI SETTINGS

To set the wireless profile for the device to apply.

CELLULAR DATA

To configure the cellular data network for the device.

SYSTEM SETTING

To configure the further system settings for the device.

CUSTOMIZE

To determine whether to enable "Battery Swap" for the applied device(s) or not.

This option is only available when the <u>project device model</u> is set as RK25.

2.2.2. APPLICATION OPTIONS

Depending on the project device model, the listed options may slightly different.

BARCODE READER

"**Barcode Reader**" is to configure the scan engine inside the mobile computer through the built-in application "**ReaderConfig**". It allows users to set their scanner preferences and the way to output decoded data. Symbology and scanner settings can be saved and exported as a profile for importing again or implementing identical Reader Config settings on multiple devices.

For the function about "**ReaderConfig**", please refer to <u>ReaderConfig User Guide for</u> <u>Android</u>.

Note:

By checking "Barcode Reader", "File Transfer" of General Options will be automatically selected.

BUTTON ASSIGNMENT

"**Button Assignment**" is to redefine the functions of physical keys to trigger different actions. Settings made to one or more keys can be saved as a profile, allowing users to switch conveniently in between different sets of settings.

For the <u>project device model</u> which sets as RS35, RK25, RK95, and 9700A, please refer to **Button Assignment User Guide for Android**.

TERMINAL EMULATION

"**Terminal Emulation**" is developed for industries which make extensive use of terminal emulators. It enables your mobile computer to act as a terminal emulator while communicating with a host of the same environment.

For further information, please refer to **<u>Terminal Emulation User Guide (Android)</u>**.

Note:

By checking "Terminal Emulation", "<u>File Transfer</u>" of General Options will be automatically selected.

APPLOCK

"**AppLock**" limits the device system resources made available to users. It gives way to ordinary working applications while locking out those that are not so productive.

For the operation instruction of AppLock, please refer to AppLock User Guide for Android.

Note:

"<u>File Transfer</u>" of General Options and "<u>Reboot after Deployment</u>" will be automatically selected if "AppLock" is checked.

SOFTWARE TRIGGER

"**Software Trigger**" serves as a real trigger key on mobile device. once enabled, it always floats on top of all other programs for convenient trigger control of the barcode scanner. By tapping and holding this virtual button, the device will keep casting a red beam to scan the code.

ENTERPRISE SETTINGS

"Enterprise settings" offers different setting functions coincided with the <u>project device</u> <u>model</u> you set. For the specific functions about "Enterprise settings", please visit our <u>website</u> to find the reference manual according to the device model.

SIP CONTROLLER

"**SIP Controller**" is for quickly open or close virtual keyboard by tapping on the floating button. You can set up to 2 virtual keyboards for cycling through.

EZCONFIG

"**EZConig**" is for RK25 mobile computer (both Android 7 Nougat & Android 9 Pie) to works with RK25 UHF RFID Reader to read and write RFID tags.

Please refer to **EZConfig User Guide for Android** for the detailed functions about EZConfig.

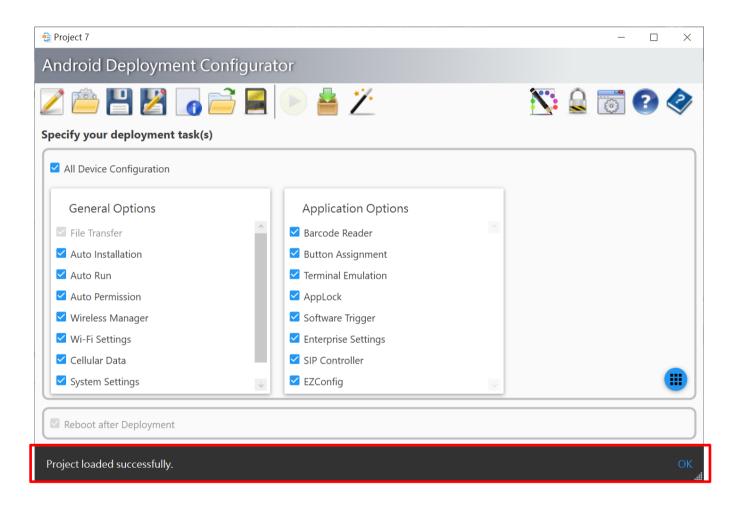
Note: "File Transfer" of General Options will be automatically selected if "EZConfig" is checked.

2.2.3. REBOOT AFTER DEPLOYMENT

With "**Reboot after Deployment**" enabled, the selected devices will automatically start rebooting process upon completion of deployment.

2.2.4. SNACKBAR & MESSAGES

The snackbar 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. To dismiss the message at once, please click "**OK**" on snackbar.



See **<u>Preferences</u>** for how to adjust snackbar messages timeout and turn off the pop-up messages.

2.3 MANAGE PROJECTS

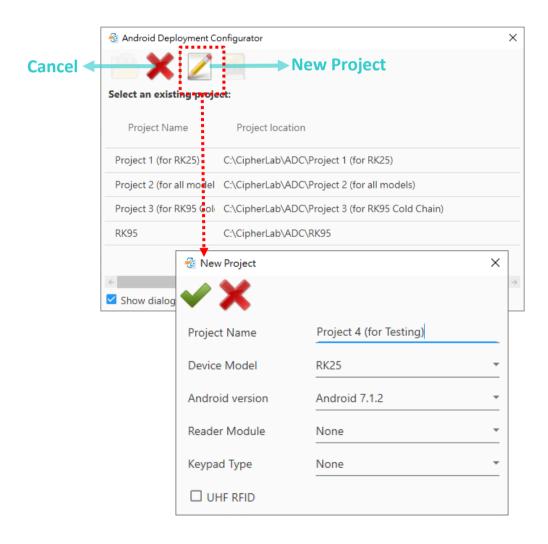
Click on **"Open Project** " on Toolbar to open the project folder. You may view, delete or duplicate project files. By default, all projects are saved in the path *C*:*CipherLab**ADC*, which can be modified in <u>Preferences</u>.

2.3.1. CREATE A PROJECT

To create a new project:

FROM STARTUP DIALOG

From the startup dialog, click on "New Project \swarrow " to create a project.



FROM MAIN SCREEN TOOLBAR

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

	2 👛 🛛	4 🖌 👩 📄	
	🔒 New Project		×
Create	× X		
	Project Name	Project 4 (for Testing)	
	Device Model	RK25	Ŧ
	Android version	Android 7.1.2	*
	Reader Module	None	*
	Keypad Type	None	*

NEW PROJECT WINDOW

The items need to be defined on "New Project" window are:

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 RK25 mobile computer to works with RK25 UHF RFID Reader to read RFID tags.

Cold Chain

By checking "**Cold Chain**" for RK95 mobile computer, you can configure the physical keypad and the heaters through **Enterpreise Setting**.

Note:

The detailed description about "New Project" window, please refer to New Project.

2.3.2. OPEN A PROJECT

To open an existing project:

1) From the startup dialog, double-click on a project or select a project and then click on

" Open ៉" if y	ou already have some projects.	
🗟 Android Deployment Co	onfigurator	×
Select an existing proje	ct:	
Project Name	Project location	
Project 1 (for RK25)	C:\CipherLab\ADC\Project 1 (for RK25)	
Project 2 (for all model	C:\CipherLab\ADC\Project 2 (for all models)	
Project 3 (for RK95 Col	C:\CipherLab\ADC\Project 3 (for RK95 Cold Chain)	
RK95	C:\CipherLab\ADC\RK95	
6		\rightarrow
Show dialog at Startu	þ	

The setting buttons on the startup dialog are:

ltem	Description
	Open Project Select a project and click on "Open Project" to open it.
×	Cancel Directly close the window without opening any existing project.
2	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 Project		
✓ X 🕅		
Select an existing pr	oject:	
Project Name	Project location	
Project 1 (for RK25)	C:\CipherLab\ADC\Project 1 (for RK25)	
Project 2 (for all model	C:\CipherLab\ADC\Project 2 (for all models)	
	C:\CipherLab\ADC\Project 3 (for RK95 Cold Chain)	
Project 3 (for RK95 Col	e. (cipiter Lab (Abe (Froject 5 (for Kiess cold chain)	

The setting buttons on "**Open Project**" window are:

(

ltem	Description
~	Open Open the selected project.
×	Cancel Directly close the window without opening any existing project.
	Delete Delete the project.

2.3.3. 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** \overline{U} ".

	Copen Project	2	×
	Select an existing pr	oject:	
	Project Name	Project location	
	Project 1 (for RK25)	C:\CipherLab\ADC\Project 1 (for RK25)	
	Project 2 (for all model	C:\CipherLab\ADC\Project 2 (for all models)	
1	Project 3 (for RK95 Col	C:\CipherLab\ADC\Project 3 (for RK95 Cold Chain)	
	RK95	C:\CipherLab\ADC\RK95	
	←		\rightarrow

2.3.4. DUPLICATE A PROJECT

To copy an existing project and make change of it:

1) Click on **"Open Project** " on Toolbar to load the project you'd like to duplicate.

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



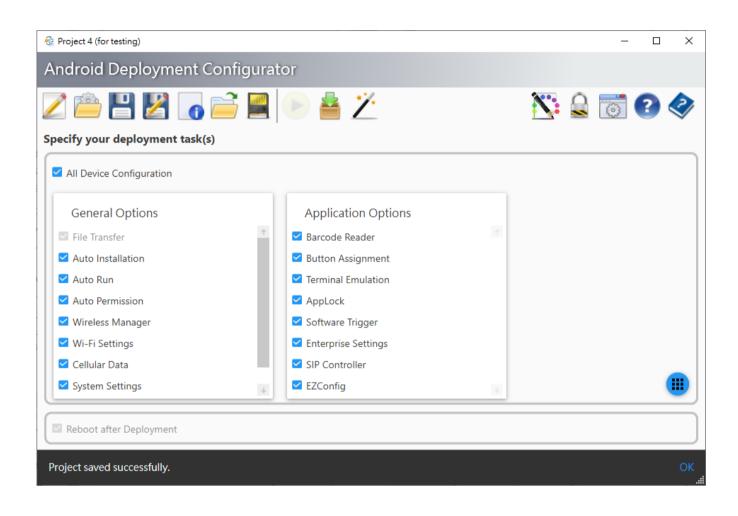
3) Change the project scope if necessary, and then save it to a different project name.

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

	🚭 Save Project As		×	
Save 🗲	×X	> Cancel		
	Project Name	Project 4 (for testing)		Browse
	Device Model	RK25		
	Android version	Android 9.0	*	
	Reader Module	2D Reader (SE4750SR)	*	
	Keypad Type	28 Key	*	
	UHF RFID			

Note: Device Model cannot be changed.

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



2.3.5. VIEW PROJECT INFO

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

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



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

Project Name	Project 4 (for testing)
Device Model	RK25
Android version	9.0
Reader Module	2D Reader (SE4750MR)
Keypad Type	25 Key
UHF RFID	Yes

Chapter 3

CUSTOMIZE PROJECT CONFIGURATION

This chapter specifies the configurations to be set on **"Configure Device Settings**" window which can be opened by clicking the button **"Configure... (III)**" in **Specify your deployment task(s)** area on Main screen.

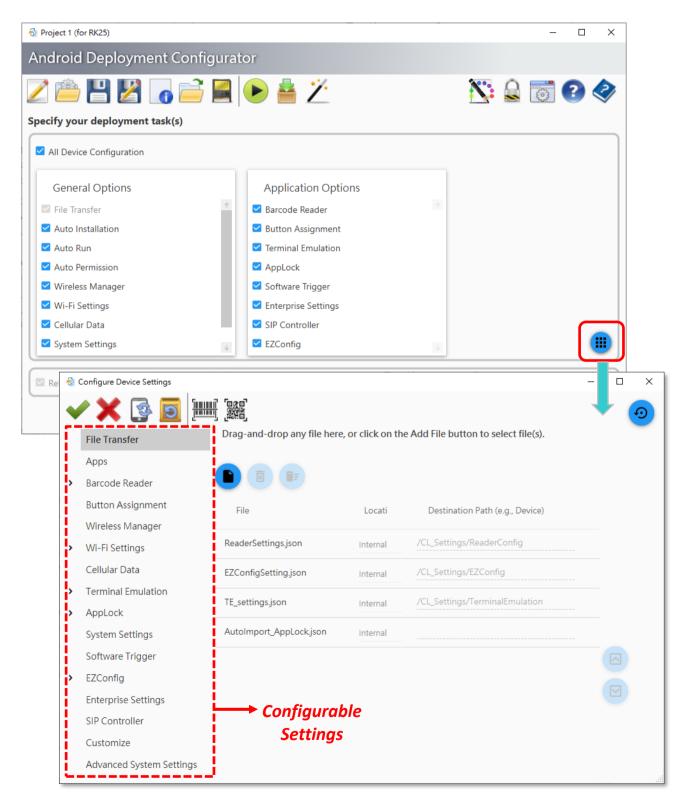
IN THIS CHAPTER

3.1 Overview	61
3.2 File Transfer	72
3.3 Apps	74
3.4 Barcode Reader	84
3.5 Button Assignment	104
3.6 Wireless Manager	118
3.7 Wi-Fi Settings	119
3.8 Cellular Data	122
3.9 Terminal Emulation	124
3.10 AppLock	137
3.11 System Settings	148
3.12 Software Trigger	152
3.13 EZConfig	153
3.14 Enterprise Settings	161
3.15 SIP Controller	164
3.16 Customize	165
3.17 Advanced System Settings	166

3.1. OVERVIEW

After deciding the "General Options" and "Application Options" to be configured, click on

"Configure..." to open **"Configure Device Settings**" window for further settings to be written to the devices.



3.1.1. CONFIGURABLE SETTINGS

The configurable setting items on "**Configure Device Settings**" window are as below:

Item	Description	
File Transfer	To set the files to be copied to device while deploying.	
	To set the app(s):	
	Auto Installation:	
	To be copied to device while deploying and automatically installed upon completion of deployment.	
Арр	Auto Run:	
	To be executed automatically when the device restarts.	
	Auto Permission:	
	To be ranged what is allowed to do and access.	
Barcode Reader	To configure the scan engine inside the mobile computer and set the scanner preferences according to the user's need and dictate the way to output decoded data.	
Button Assignment	To redefine the functions of physical keys or to assign specific functions to the programmable keys.	
Wireless Manager	To control whether to enable Wi-Fi, Bluetooth, cellular data, and NFC.	
Wi-Fi Settings	To set the wireless profile for the device to apply.	
Cellular Data	To configure the cellular data network for the device.	
Terminal Emulation	To configure the settings of the app " Terminal Emulation " which enables the device to act as a terminal emulator while communicating with a host of the same environment.	
AppLock	To configure the settings of the app " AppLock " which dominates over the OS and limits the system resources made available to users.	

ltem	Description
System Settings To configure the further system settings for the device.	
Software Trigger	To configure the settings of the app " Software Trigger " which presents a virtual button to works as a real trigger key to control the bardcode scanner to scan the code.
EZConfig	To configure the settings of the app " EZConfig " for RK25 mobile computer to work with RK25 UHF RFID reader.
Enterprise Settings	To configure the settings of the app "Enterprise Settings" which provides various functional settings according to the project model.
SIP Controller	To configure the settings of the app " SIP Controller " which presents a virtual button to quickly open the selected virtual keyboard.
Customize	To determine whether to enable "Battery Swap" for RK25 mobile computer.
Advanced System Settings	To configure how to update the OS Image of your device(s).

3.1.2. BUTTONS ON CONFIGURE DEVICE SETTINGS TOOLBAR

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

-3	Configure Device Settings				_		×
•	/ 🗙 🚱 互 🎘					(Ð
	File Transfer	Drag-and-drop any file here	, or click on th	e Add File button to select file(s).			
	Apps						
>	Barcode Reader						
	Button Assignment	File	Locati	Destination Path (e.g., Device)			
	Wireless Manager						
>	Wi-Fi Settings	ReaderSettings.json	Internal	/CL_Settings/ReaderConfig			
	Cellular Data	EZConfigSetting.json	Internal	/CL_Settings/EZConfig			
>	Terminal Emulation	TE_settings.json	Internal	/CL_Settings/TerminalEmulation			
>	AppLock	. <u>2_</u> oottango,joon					
	System Settings	AutoImport_AppLock.json	Internal				
	Software Trigger						
>	EZConfig						
	Enterprise Settings						
	SIP Controller						
	Customize						
	Advanced System Settings						

Apply

To close "Get link" window.

To save the settings and close **Configure Device Settings** window.

Always remember to click on Apply \checkmark before you close **Configure Device Settings** window.



Directly close **Configure Device Settings** window without saving any settings.

Synchronize 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 all settings with Device** .

• E Reset all settings to default

You may also click on "**Reset all settings to default** ^I 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 <u>How</u> **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 selected configurations by scanning the barcodes with the application "BarcodeToSetting".

المعرفة Create 2D barcode

To export and generate the settings as 2D barcode for your mobile computers to apply the selected configurations by scanning the barcode with the application "BarcodeToSetting".

Synchronize current option

To acquire the device settings only for the current tab page. This button is only available when the device is connect with the PC where ADC program is installed.

Reset current option

To restore the settings on the current tab page to default.

3.1.3. HOW TO SYNCHRONIZE THE DEVICE SETTINGS

You may need to acquire the device settings through "Synchronize all settings with Device ³ in order to get the setting information to be edited for certain built-in application or

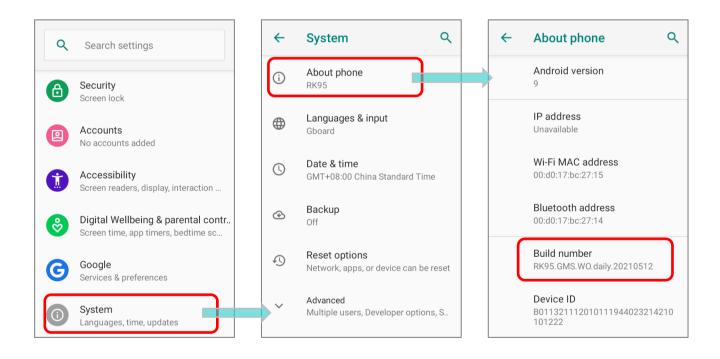
system settings or even get the user-installed app information from your device.

To perform **Synchronize all settings with Device** , you have to enable debugging mode on your device in advanced.

ENABLE DEBUGGING MODE

For the device to be synchronized, it's debugging mode must be turned on:

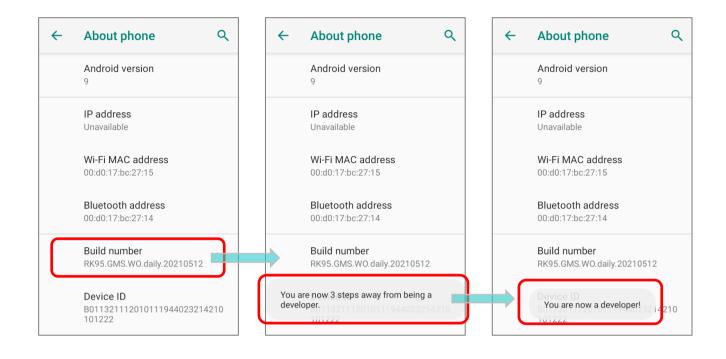
1) To access "Build number" from App Drawer | Settings | System | About



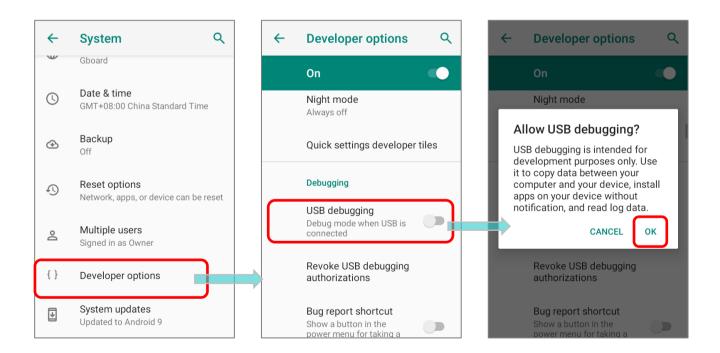
Note:

For RS35 mobile computer, "Build number" can be accessed from App Drawer| Settings | About Phone.

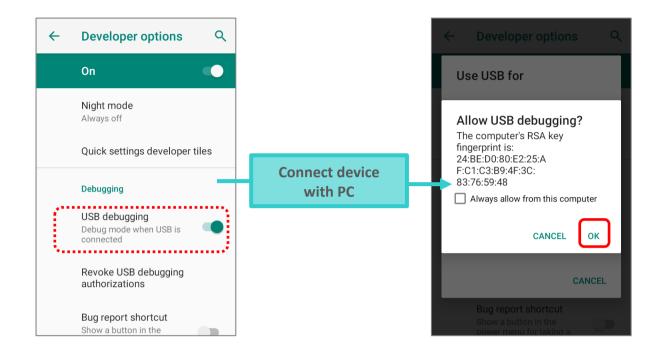
2) Tap on "Build number" for 7 times to enable Developer options.



3) Once **Developer options** is on, you can find it in **System**. Enter "**Developer options**" and swipe down to find "**USB debugging**" and switch it on.



Connect the device with your PC where ADC is installed, and confirm "Allow USB debugging" on your device.



RUN THE APP(S) ON DEVICE

To successfully acquire the settings information from your device, please launch those apps (listed on "Application Options") for at least one time.

After synchronizing, a report about failing to synchronize the app settings appears if the app(s) is never launched on the connected device.

Report	
Filename	Condition
Barcode Reader	Reader module not match. Skipped synchro
AppLock	Please install and run AppLock to generate t
Terminal Emulation	Please install and run Terminal Emulation to
<	\rightarrow
	ОК

SYNCHRONIZE ALL SETTINGS WITH DEVICE

Make sure that you've properly got <u>the settings for enabling debugging mode</u> done before performing **"Synchronize all settings with Device** ".

On **"Configure Device Settings**" window, click on **"Synchronize all settings with Device**".

🗟 Configure Device Settings – 🗆 X						
🗸 🗙 💽			(Ð		
File Transfer	Drag-and-drop any file here, or click on the Add File button to select file(s).					
🚭 Configure Device Se		-		×		
* ~ X 🖸			4	•		
File Transfer	Drag-and-drop any file here, or click on the Add File button to select file(s).					
Apps						
> Barcode Reade						
Button Assignm						
Wireless Mana						
 Wi-Fi Settings 						
Cellular Data	Getting device information					
Terminal Emula	(tion					
> AppLock						
System Setting						
Software Trigg						
> EZConfig						
Enterprise Sett						
SIP Controller						
Customize						
Advanced Syst						

Please note that the connected device to be synchronized must be the same model with the <u>project device model</u> you set, otherwise the synchronization stops and a warning message is prompted.



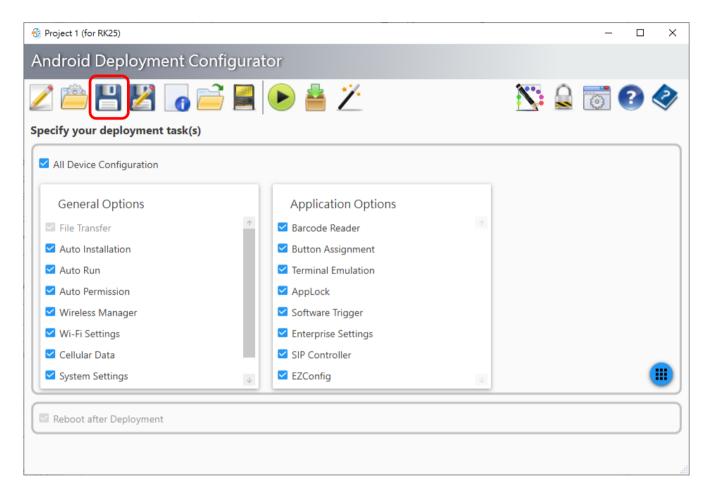
You may get a failure report about the app(s) whose setting info cannot be successfully acquired by ADC after synchronization. Click "**OK**" to close this failure report window.

Report	
Filename	Condition
Terminal Emulation	File could be damaged or does not exist.
(→ OK

3.1.4. SAVE THE CHANGES OF CONFIGURE DEVICE SETTINGS TO THE PROJECT

After completing configuring the settings details on **Configure Device Settings** window and

returning to Main Screen, remember to click on **Save Project** "before exiting this program.



3.2. FILE TRANSFER

"File Transfer" is to set the files to 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.

🚭 C	Configure Device Settings			-		×
V	* 🗙 🚱 🖻 📖			Reset current option	-	Ð
	File Transfer	Drag-and-drop any file here, o	or click on the	Add File button to select file(s).		
	Apps					
>	Barcode Reader					
	Button Assignment	File	Locati	Destination Path (e.g., Device)		
	Wireless Manager					
>	Wi-Fi Settings	ReaderSettings.json	Internal	/CL_Settings/ReaderConfig		
	Cellular Data	EZConfigSetting.json	Internal	/CL_Settings/EZConfig		
>	Terminal Emulation	TE_settings.json	Internal	/CL_Settings/TerminalEmulation		
>	AppLock					
	System Settings	AutoImport_AppLock.json	Internal			
	Software Trigger	matomemo.apk	Internal			
>	EZConfig					
	Enterprise Settings					
	SIP Controller					
	Customize					
	Advanced System Settings					

Add File..

Add the file which is saved in your PC.

, Delete

Delete the selected item.

Delete All

Delete all the removable items.

 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.

Drag-and-drop any file here,	or click on th	e Add File button to select file(s).	
File	Locati	Destination Path (e.g., Device)	
ReaderSettings.json	Internal	/CL_Settings/ReaderConfig	
EZConfigSetting.json	Internal	/CL_Settings/EZConfig	Please make sure the path you input here is the absolute
TE_settings.json	Internal	/CL_Settings/TerminalEmulation	location on the device and has to be precise.
AutoImport_AppLock.json	Internal	2	
matomemo.apk	Internal	/Download	
SwiftKey Keyboard_v7.1.3.27_a	Internal		



Move the selected item upward to change its sorting order.



Move the selected item downward to change its sorting order.

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

3.3. APPS

To arrange the applications for your device through "**App**", please click on "**Add** +" to open the window to select the action you'd like to dictate.

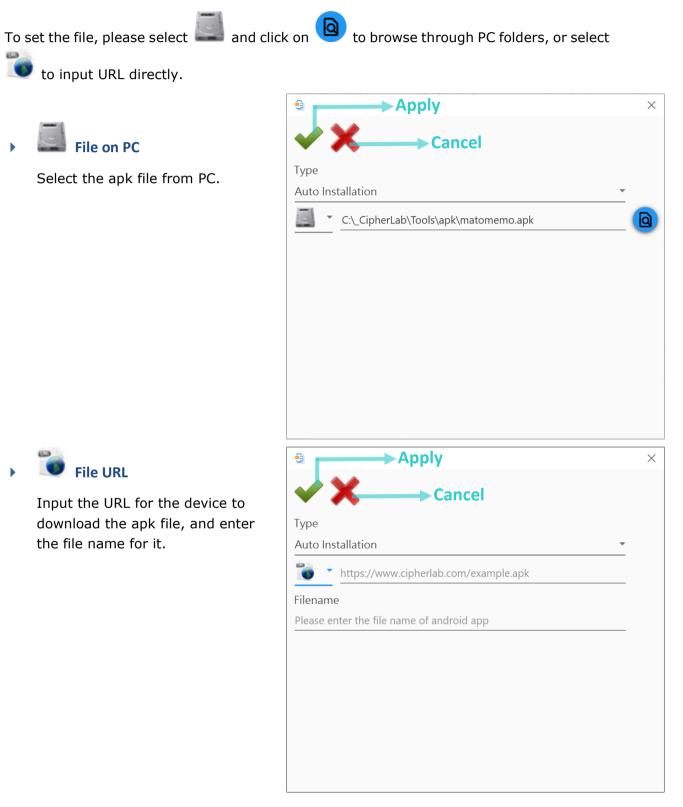
- 🔁	Configure Device Settings		_	×
•	/ 🗙 🚱 🖻	Synchronize current option		\$ Ð
	File Transfer Apps	+ > Reset current of	option 🗲	I
>	Barcode Reader Button Assignment Wireless Manager Wi-Fi Settings Cellular Data Terminal Emulation AppLock System Settings Software Trigger EZConfig Enterprise Settings SIP Controller Customize Advanced System Setti	Image: None None None Auto Installation Auto Run Auto Permission Auto Installation & Auto Run Auto Installation & Auto Permission Auto Run & Auto Permission	ssion	

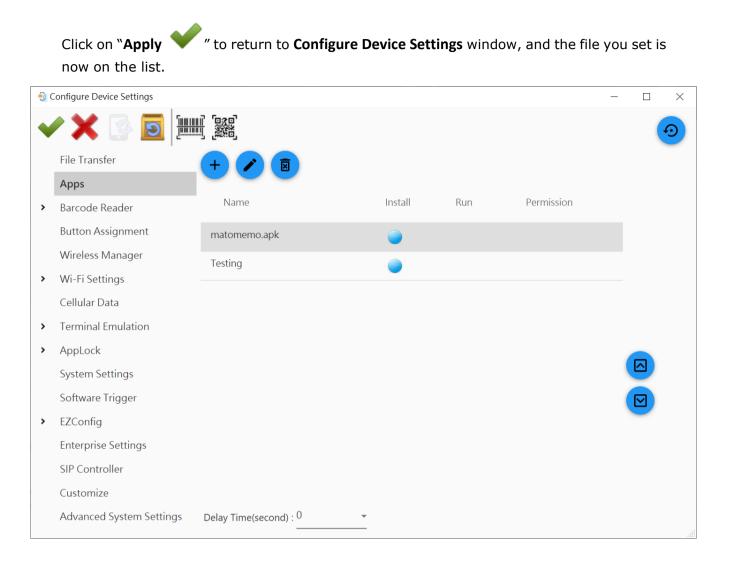
The buttons and the setting on "**App**" tab page are:

- Add: To add a new file to the list.
- **Edit:** To Edit the selected file.
- **Delete:** To remove the selected file from the list.
- Move up: To move the selected file upward to change its sorting order.
- Move down: To move the selected file downward to change its sorting order.
- > Delay Time (second): Define the interval of each application if necessary.

3.3.1. AUTO INSTALLATION

The specified apk files will be copied to device while deploying and the programs will be automatically installed upon completion of deployment.





Note: 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.

3.3.2. AUTO RUN

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 from "General Options" list 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 perform "Synchronize all settings with Device "to sync with your device in advance, if not, "Associated app" list will be unavailable.

2	
1 2	
✓ ×	
Туре	
Auto Run	-
Associated app 📃 None	Ŧ
Filename	
Please enter the file name of android app	
Package Name	
Please enter the package name of android app	

	8	\times
Under the circumstances without synchronization, you can directly fill in the	 ✓ X 	
filename and the package name (please	Туре	
acquire the package name from the	Auto Run	
application developer).	Associated app 📃 None 🗸	
	Filename	
	Chromium	
	Package Name	
	org.chromium.chrome	
Note:		
Ascertain that the filename & package name are correct and this Auto Run app is installed on the device.		

8			×		
>	٢				
ype					
Auto Run			*		
ssociated	l app 🗾 HF RFID Configu	ration	•		
	+ 🖍 🖻				
	Name	Install	Run	Permission	
	matomemo.apk	۲			
	Testing	۲			
	Chromium		0		
	HF RFID Configuration		0		
	Delay Time(second) : ⁰	.			

3.3.3. AUTO PERMISSION

To control over the permission of the specified app requests, please perform "Synchronize

all settings with Device '''' to sync with your device in advance to get the "Associated app" list, or eles, you need to fill in the filename and the package name to demonstrate the app installed on the device.

-		\times
✓ X		
Туре		
Auto Permission	•	
Associated app 📃 None	Ŧ	
Filename		
Chromium		
Package Name		
org.chromium.chrome		
All Permission		
Device Admin		
Install Unknown		

After selecting the app from "**Associated app**" list or specifying the app by filname and package name, choose the permission you'd like to grant for this app.

All Permission

Allow all the permission this application asks for.

Device Admin

The app permission request will prompt on the device for the device admin to grant.

Install Unknown

Allow to install apps from unknown source.



-			X	
Туре				
Auto Permission			•	
Associated app 🛛 📓 Signa	ture Capture		•	
All Permission				
Device Admin				
🗆 Install Unknown				
+ 🖍 🗵				
Name	Install	Run	Permission	
matomemo.apk	۲			
Screenshot touch.apk	۲			
EZConfig				
Signature Capture			0	
Delay Time(second) : 0	v			

Before closing the **Configure Device Settings** window, be sure to click on **Apply** ✓ on **Configure Device Settings** toolbar.

3.3.4. OTHER CONFIGURATIONS

The following configurations are the combination of "**Auto Installation**", "**Auto Run**", and "**Auto Permission**".

AUTO INSTALLATION & AUTO RUN

To set the app to be installed after deployment and the app will execute automatically on device boot up.

-

Define the apk installation source of the app to be installed:



Select the apk file on your PC. Click on

"**Browse...**" to browse through the folders.



Enter the file URL for the device to download it.

Type Auto Installation & Auto Run * C:_CipherLab\Tools\apk\matomemo.apk

×

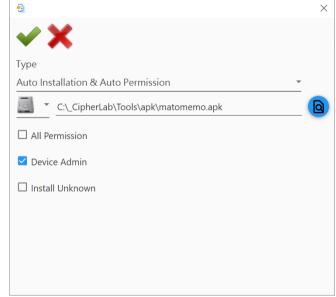
AUTO INSTALLATION & AUTO PERMISSION

Select the apk installation source from file on

your PC solution of the URL for download to set the app to be installed after deployment and check the permission you'd like to allow for this app.

- All Permission: Allow all the permission this application asks for.
- Device Admin: The app permission request will prompt on the device for the device admin to grant.
- Install Unknown:

Allow to install apps from unknown source.

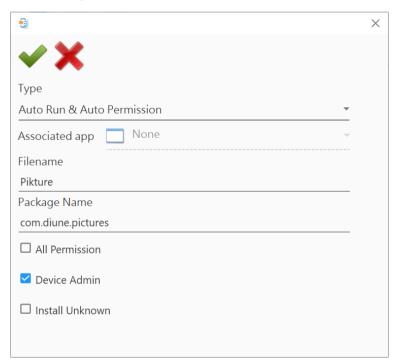


AUTO RUN & AUTO PERMISSION

By executing <u>Synchronize all settings with Device</u> If in advance, you can select the app from **Associate app**["] list and set the permission for it.

8	\times
✓ X	
Туре	
Auto Run & Auto Permission	
Associated app 🔽 Gallery 🗸	
□ All Permission	
✓ Device Admin	
Install Unknown	

Without synchronization, please fill in the **filename** and the **package name** of the app. The specified app must be installed on the device and the filename and package name you enter should be precise.



AUTO INSTALLATION & AUTO RUN & AUTO PERMISSION

Choose the app to be installed after deployment by uploading the apk file to ADC program or providing the URL for the device to download the apk file, set this app to be executed on device boot up, and select the permission you grant for it.

-8	\times
\checkmark	
Туре	
Auto Installation & Auto Run & Auto Permission	
C:_CipherLab\Tools\apk\matomemo.apk	ð
All Permission	
Device Admin	
Install Unknown	

3.4. BARCODE READER

"**Barcode Reader**" is to configure the scan engine inside the mobile computer and set the scanner preferences according to the user's need and dictate the way to output decoded data through the application **ReaderConfig**". If you would like to synchronize the device settings by ADC, make sure that "**ReaderConfig**" has been launched on the device for at least one time.

-53 (Configure Device Settings					$ \Box$ \times
•	/ 🗙 🚱 🧕		Profile M	anagement Buttons		\$ 9
	File Transfer	^ +				
	Apps					
-	Barcode Reader	Profile	Name	Associated app	Enable	
	Security	Default				
	Button Assignment	Profile 1				
	Wireless Manager					
>	Wi-Fi Settings					
	Cellular Data					
>	Terminal Emulation					
>	AppLock					
	System Settings					
	Software Trigger					
>	EZConfig					
	Enterprise Settings					
	SIP Controller					
	Customize	\downarrow				
~		\rightarrow				

The buttons on "Barcode Reader" tab page are for profile management:

+ New Profile

To create a new profile to manage the barcode reader.

Edit Profile

To edit the selected profile to change settings that best suits your needs.

Delete Profile:

To remove the selected profile from the list.

Copy Profile

To copy an existing profile and make changes from it.

Rename Profile

To give the selected profile a new name.

Execute "Synchronize all settings with Device "Synchronize current option" to get the settings from the currently-connected device.

Note:

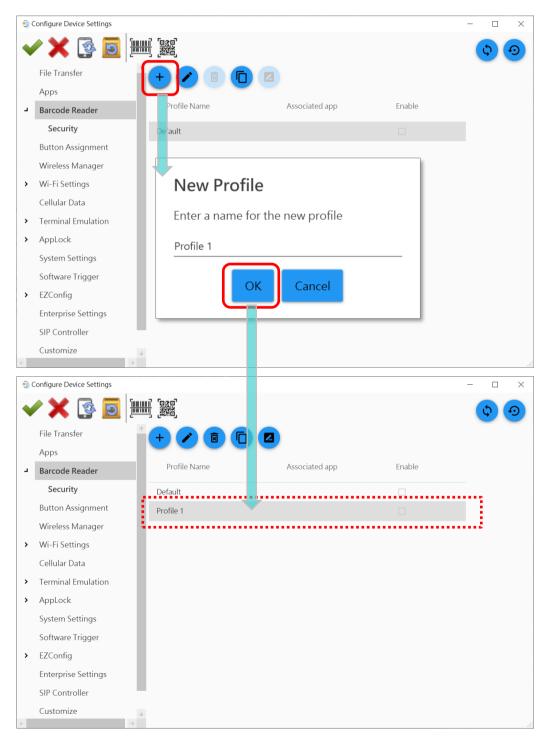
- (1) "Default" profile cannot be delete.
- (2) The detailed instructions about "ReaderConfig", please refer to <u>ReaderConfig User Guide for</u> <u>Android</u>.

3.4.1. PROFILE MANAGEMENT

Through the profile management buttons, you can:

NEW PROFILE

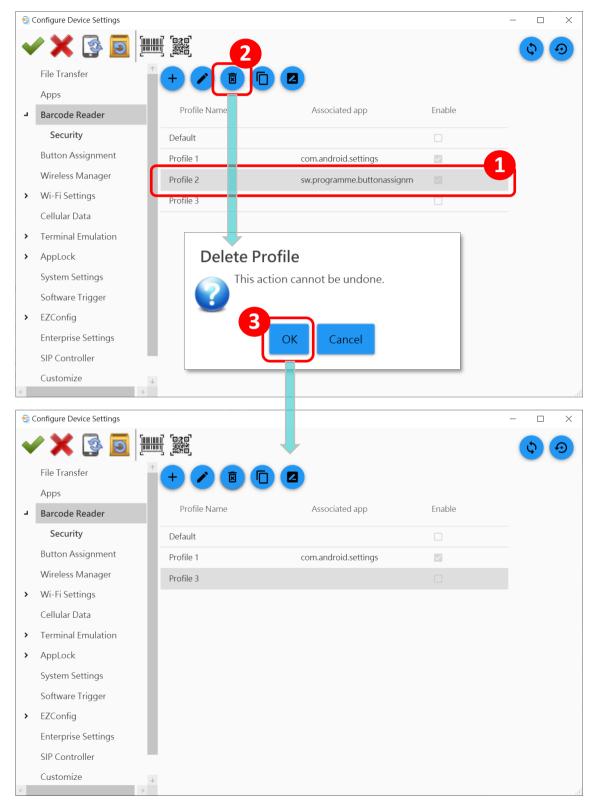
Click on **New Profile t** to create a new profile. Enter a name for this new profile and **OK**.



DELETE PROFILE

To delete an existing profile, please select the profile to be delete, click on the profile

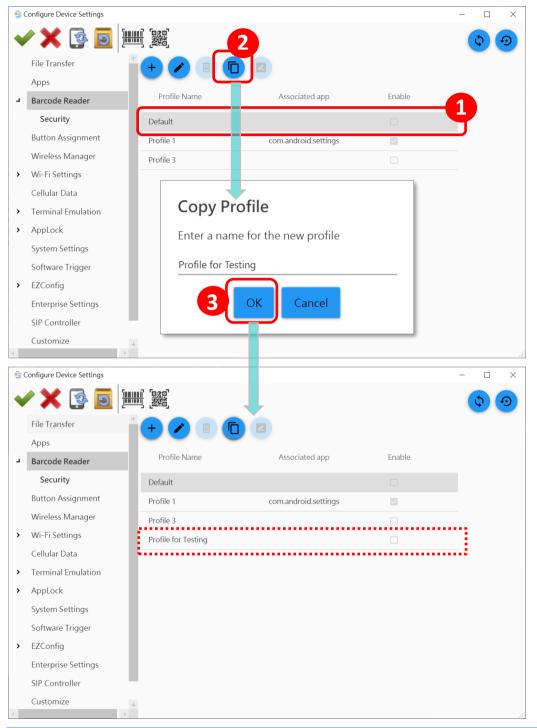
management button "**Delete Profile**, and confirm deleting by "**OK**".



COPY PROFILE

To copy an existing profile and make changes from it, please select the profile a profile to be

copied, click on **Copy Profile** ", enter a new name for this profile, and confirm by **OK**".

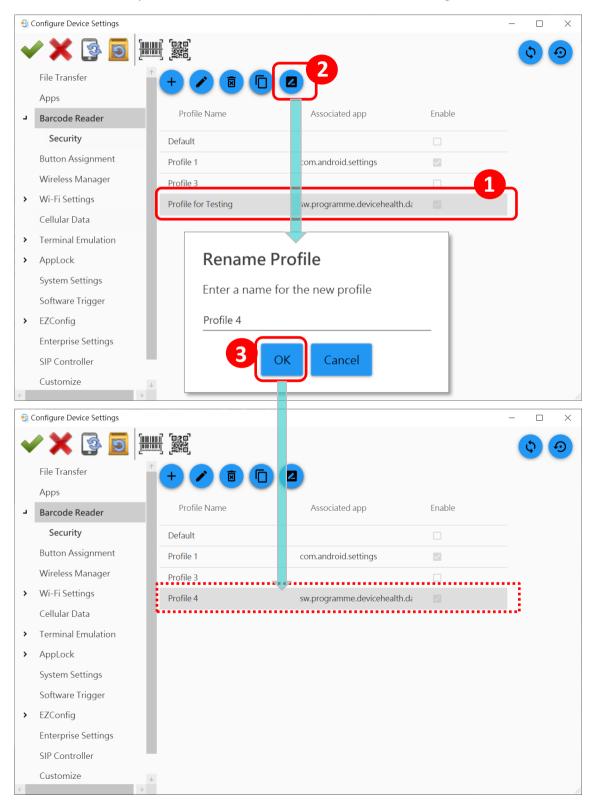


Note:

An app can be set as <u>the associated app</u> to only one profile. Thus, <u>the "Profile" part</u> will not be duplicated when copying a profile.

RENAME PROFILE

Simply select the profile you'd like to rename and click on **"Rename Profile** ". Enter a new name for the profile, and then click on **"OK**" button to change its name.



3.4.2. EDIT PROFILE

"Edit Profile

To edit a profile, please double-click the profile, or select the profile to be edited and click on

" to open the profile detail window for editing.

Sconfigure Device Settings × 🗙 🚳 🛐 **€**) C File Transfer Apps Enable Profil Associated app ы Barcode Reader Security Default Button Assignment Profile 1 \checkmark com.android.settings Wireless Manager Profile 3 > Wi-Fi Settings Cellular Data Terminal Emulation > AppLock System Settings Software Trigger EZConfig > Enterprise Settings SIP Controller Customize 🔮 Detail × Apply Reset Scanner Preferences Decode Timeout 3 sec Cance Data Output Level 1 Redundancy Level Advanced Data Formatting Security Level Level 0 Notification Settings Inter-Char-Gap Size Normal 1D Symbologies Scan Mode Level 2D Symbologies Aim Mode Timeout (3) Profile ☑ Decoding Illumination ☑ Decode Aiming Pattern Dicklist Mode Display Mode Inverse Type Regular only Addon Redundancy (10) Illumination Power Level (10) Transmit AIM Code ID

Make sure to click on "**Apply** \checkmark " to save your profile settings before closing this profile detail window.

The followings are the brief introduction about the items on the profile detail window. For completely description for all the setting items, please refer to <u>ReaderConfig User Guide for</u> <u>Android</u>.

SCANNER PREFERENCE

Options on the **Scanner Preferences** page differ according to the <u>reader module</u>.

Item	Description
Decode Timeout	Sets the maximum time for the decoding process during a scan.
Redundancy Level	Sets how many successful readings should be done before linear barcodes such as Codabar, MSI, and Interleaved 2 of 5 can be decoded.
Security Level	Sets the security level to ensure decoding accuracy considering the printed quality of barcodes such as Code 128, Code 93, and UPC/EAN. The higher the level is, the more security is ensured.
Inter-Char Gap Size	Sets the intercharacter gap size for Code 39 and Codabar. This option is to allow the digital scanner to adjust its decoding standard so as to tolerate out-of-specification bar codes that are improperly printed out (which may cause the intercharacter size to become larger).
Scan Mode	Sets the reader's scanning behavior.
Aimer Mode Timeout	A time period that the aiming pattern is projected for Aimer Mode . This function is only available when setting Scan Mode as Aimer Mode or Level and Aim Mode .
Decoding Illumination	Enables an LED light beam to aid barcode reading.
Decode Aiming Pattern	Projects a crosshair at the center of the laser light beam to facilitate barcode reading.
Picklist Mode	When selected, only barcodes aligned at the crosshair of the laser light beam will be decoded.
Display Mode	Enable improved performance for reading barcodes on electronic displays and mobile phones.
Inverse Type	Decide whether to disable or enable decoding inverse barcodes, or set as auto.
Addon Redundancy	Functions when "auto-discriminate" is applied for UPC/EAN addons. Decides the number of times of supplemental decoding of the same barcode in order to count as a valid read.
Illumination Power Level	Users can adjust the illumination brightness of the LED light source.
Transmit AIM Code ID	Sets whether to include AIM code ID character in the decoded data.

DATA OUTPUT

Data Output allows users to set the way to output decoded data. Depends on the <u>reader</u> <u>module</u>, the available functions may slightly different.

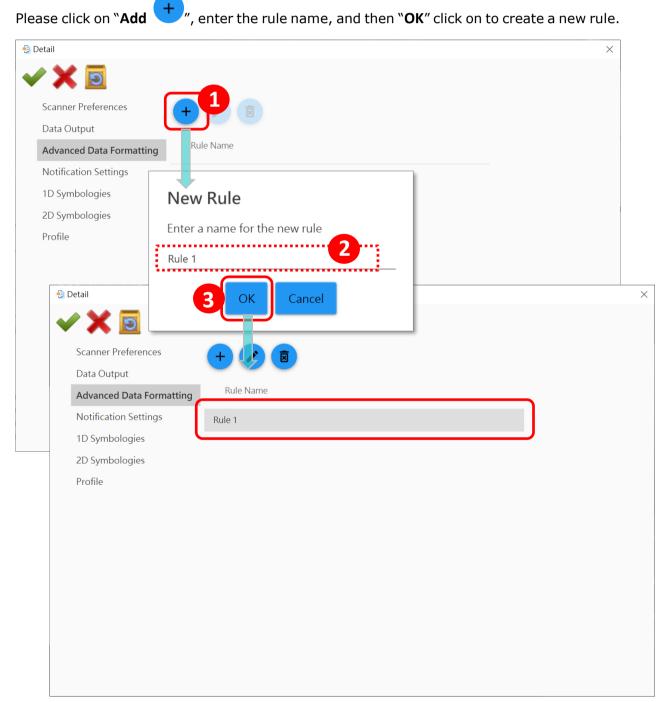
Item	Description
Keyboard Emulation	Keyboard Emulation setting controls in which way the data is sent.
Timeout between Input Method	To specify the pause time between data to be transmitted. The function is only available when " Keyboard Emulation " is set to be " Input Method ".
Auto Enter	To add an ENTER character before or after each string of decoded data. The ENTER character can be defined in the "Auto Enter character" field below. This function saves the trouble of pressing a confirmation key to accept each string of decoded data.
Auto Enter character	To a key code before or after the decoded data. If [Auto Enter] is enabled, select the ENTER character to send.
Display Code Type	To prefixe the output data with code type information.
Display Code Length	To suffixe the output data with code length information.
Prefix	To affixe 0 to 20 characters to the left of the output data. Click on the button "Open ASCII Table" to open a character table for entering the prefix.
Suffix	To affixe 0 to 20 characters to the right of the output data. Click on the button " Open ASCII Table " to open a character table for entering the suffix.
Field Delimiter	Sets the delimiter to separate the output barcode data to the following pieces: code type, decoded barcode data, and code length (if applicable).
Barcode charset	Specifies the current decoding for barcode data.
Clear Previous Data	By enabling this option, only the last scanned data entry will be output.
Key Event Delay Time	Set the millisecond you need to postpone the key event triggered by the decoded data.

ADVANCED DATA FORMATTING

User can customize the output data through the defined rules which combine "**criteria**" with "**actions**" to be performed. If the decoded data meets the "**criteria**", it will be output according to the "**actions**".

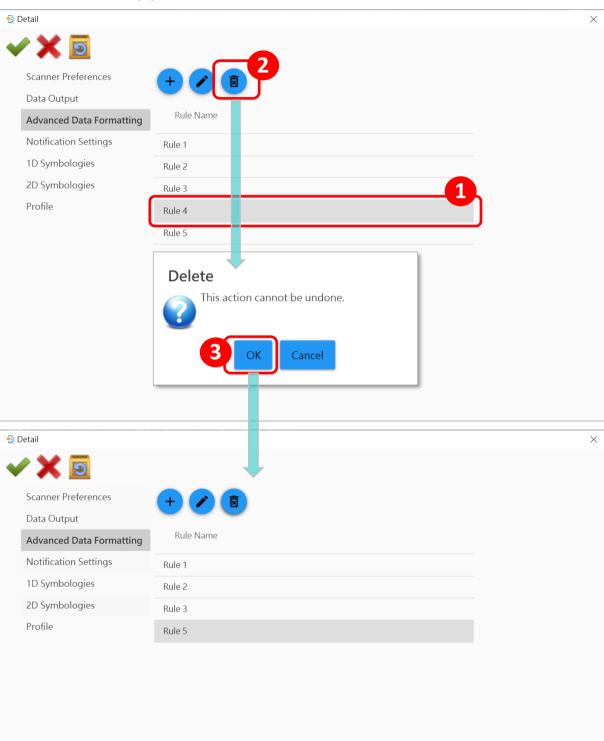
CREATE A RULE

Advanced Data Formatting is to customize the decoded data and then output it by rules, and therefore Advanced Data Formatting rule(s) needs to be created beforehand.



DELETE A RULE

To delete a rule, simply select the rule to be deleted and click on **Delete**.



EDIT A RULE

Double-click on the rule, or select the rule and then "Edit "rule of the rule detail page to edit "criteria" and "actions".

😼 Detail			×
🗸 🗙 🖻	2		
Scanner Preferences			
Data Output	+		
Advanced Data Formatting	Rule Name		
Notification Settings		1	
1D Symbologies	Rule 1		
2D Symbologies	Rule 2		
Profile	Rule 3		
FIOTILE	Rule 5		
😌 Detail			×
🗸 🗙 🛐			
Scanner Preferences			
	+		
Data Output	Criteria	~	
Advanced Data Formatting			
Notification Settings	Barcode Input	All	
1D Symbologies	String Length (0)		
2D Symbologies		•	
Profile	String Position (0)		
	Specific String		
	Actions	~	
		Apply Cancel	

• Criteria:

"Criteria" is to set the limits and requirements to filter the decoded data.

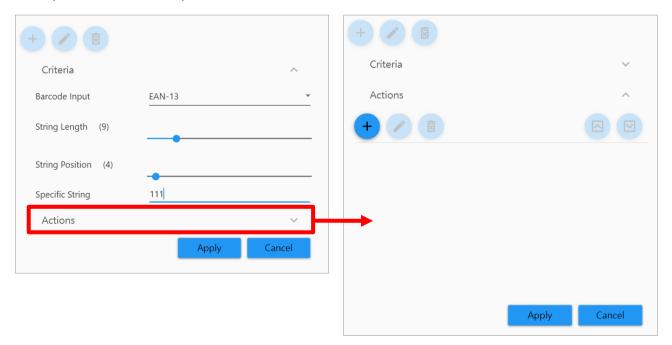
When the barcode is read and the input data fulfils the "**criteria**", it will be dealt with by the associated "**actions**" which defines the output data format.

The available criteria to be set are:

Item	Description
Barcode Input	To designate the barcode symbology. By selecting " All ", all the barcode symbologies will be reformatted by " actions ".
String Length	To set the barcode length to limit the decoded data to be reformatted.
String Position	This function works with " Specific String " to designate the particular position this specific string should be in. By selecting " 0 ", the specific string can be in any position.
Specific String	To designate the string the decoded data must include.

The decoded data should meet all the criteria you set and then the data will be reformatted by "**actions**" before outputting.

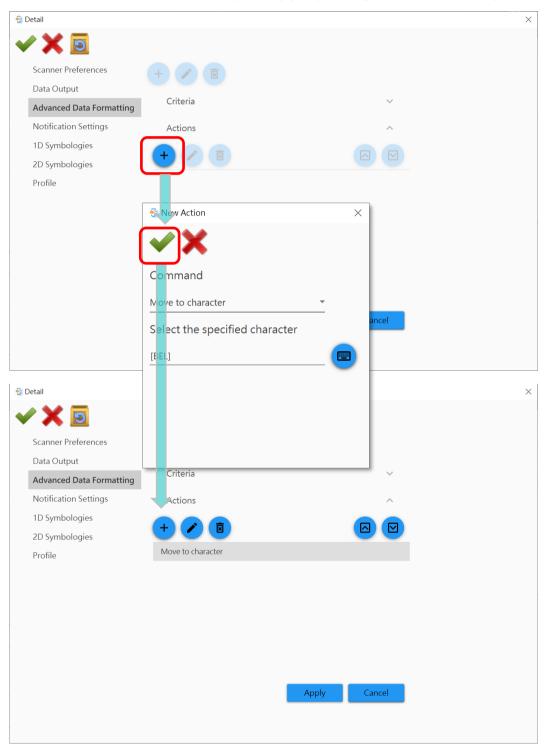
After completeing editing "criteria", please click on "Apply" to save your criteria settings, or expand the "actions" part to edit the actions.



Actions

A rule contains multiple "**actions**" which process the decoded barcode data conforms to the "**criteria**" and reformat the data to be transmitted.

To create an action, please click on **"Add "**" to open **"New Action**" window, set the command and enter the necessary item(s) depending on the command you choose.



To edit an action, please double-click the action, or select the action and then "Edit \checkmark ".

To delete an action, please select the action to be deleted and then "**Delete** \blacksquare ".

Scanner Preferences Data Output Advanced Data Formatting Notification Settings Actions 1D Symbologies 2D Symbologies	
Scanner Preferences Data Output Advanced Data Formatting Notification Settings 1D Symbologies 2D Symbologies	ria ~
Advanced Data Formatting Notification Settings Actions 1D Symbologies 2D Symbologies	ins ^
1D Symbologies	
2D Symbologies	
	o to character
Send rem	
Replace c	e character

The decoded data is processed by actions sequentially. The permutation of actions affects the output data, that is, different permutations of actions may result in different output data.

To change the permutation, select the action and click on **"Up** ", or **Down**".

Button	Description
+ Add	To create a new action.
Edit	To edit the selected action.
Delete	To delete the selected action.
Up	To move the selected action up.
Down	To move the selected action down.

Be sure to click on "**Apply**" to save your criteria and action settings.

Note: Please refer to <u>ReaderConfig User Guide for Android</u> for detailed instruction.

NOTIFICATION SETTINGS

Notification Settings enables the device audible, visible and tactile feedback for scanning good read, which helps notify the user of a successful decoding.

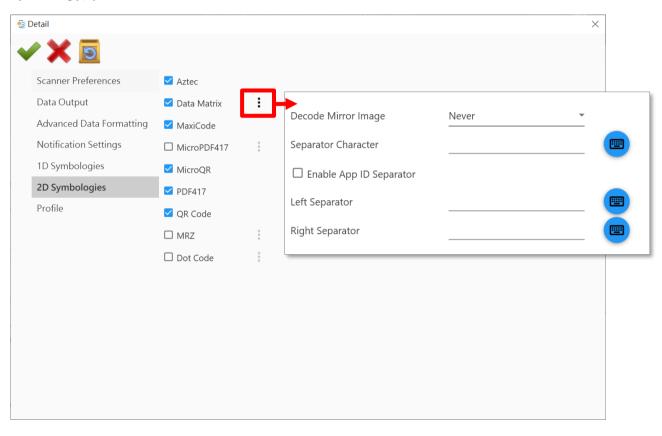
Detail				
/ 🗙 🖻				
Scanner Preferences	Visual Indicator			
Data Output				
Advanced Data Formatting	Enable LED when good read			
Notification Settings				
1D Symbologies	Vibrator			
2D Symbologies	Vibrate when good read	0 sec	•	
Profile				
	Beeper			
	Beep when good read	Sound 1	-	

ltem	Description
Visual Indicator	To enable or disable LED light (left) for scanning good read.
Vibrator	To enable or disable tactile feedback (vibration) for good read and set the duration to vibrate.
Beeper To set the beeper sound for scanning good read. To choose to mute sound, or configure the beeper sounds.	

1D SYMBOLOGIES & 2D SYMBOLOGIES

On "1D Symbologies" and "2D Symbologies" tab pages, you can set the symbologies to read and the details about the featured settings.

To enable the symbology, please tick its checkbox; to open the settings page of the symbology, please click on its "**More** " button.



For details about the featured settings, please refer to **<u>ReaderConfig User Guide for</u>** <u>Android</u>.

PROFILE

With an "Associated app", the profile can be enabled, and the "Associated app" on the device will receive the decoded data output by **ReaderConfig** once the profile is enabled.

\delta Detail			×
🗸 🗙 🖻			
Scanner Preferences	Associated app	💿 sw.programme.applock 🔹 🗸	
Data Output	☑ Profile Enable		
Advanced Data Formatting			
Notification Settings			
1D Symbologies			
2D Symbologies			
Profile			

ASSOCIATED APP

"Associated app" is to assign an application to receive the decoded data which is output according to the settings of the profile bound with this "Associated app".

Please perform "Synchronize all settings with Device or "Synchronize current option

" on "**Configure Device Settings**" window in adavnce to make the associated app list available.

Simply to select the application from the drop-down menu to assign it to be the "**Associated app**" for this profile.

Note:

- (1) The "Default" profile doesn't support "Associated app", please assign "Associated app" to the profile(s) you create.
- (2) An app can be set as the associated app to only one profile.

PROFILE ENABLE

Once you assign an application to a profile to be the profile's "**Associated app**", this profile can be enabled by ticking the checkbox "**Profile Enable**".

Make sure to click on **"Apply** " on profile detail window to save your profile settings, and when returing back to **"Barcode Reader**" tab page on **"Configure Device Settings**" window, you will find that the enable checkbox of this profile is now checked.

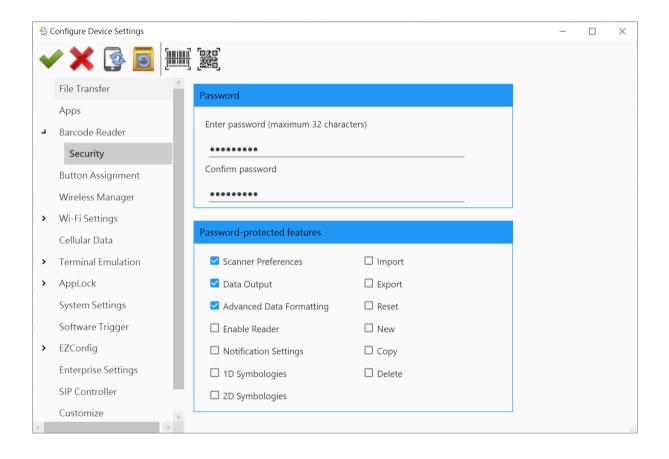
	😼 Detail									×
	2 🗸 🗵									
	Scanner Preferen	ces Associated app		sw.pro	gramme.applock		~			
	Data Output	✓ Profile Enable								
	Advanced Data Fo									
	Notification Setti	ngs							1	
-23 (Configure Device Settings					-		×		
۷	/ 🗙 🕓 🧕 🗮							Ð		
	File Transfer	+ 🖍 🗊 🔽								
	Apps									
>	Barcode Reader	Profile Name	Associated app		Enable					
	Button Assignment	Default								
	Wireless Manager	Profile 1	com.android.settings							
>	Wi-Fi Settings	Profile 3								
	Cellular Data	Profile 4	sw.programme.applo	ck						
>	Terminal Emulation									
>	AppLock									
	System Settings									
	Software Trigger									
>	EZConfig									
	Enterprise Settings									
	SIP Controller									
	Customize									
	Advanced System Settings									
]	

Note: Mutiple profiles can be enabled at the same time.

3.4.3. SECURITY

You can set a password to restrict other users of the device 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.



3.5. BUTTON ASSIGNMENT

The function "**Button Assignment**" on "**Configure Device Settings**" window, depending on project device model you set, is to assign specific functions to the programmable keys through the device system settings, or to be releated to the built-in app "**Button Assignment**" for redefining the functions of physical keys so that they trigger different actions.

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

"**Button Assignment**" for the device models listed below is to assign specific functions to the programmable keys:

- RS30 Mobile Computer
- RS31 Mobile Computer
- RS50 Mobile Computer
- RS51 Mobile Computer
- HERA51 Mobile POS

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**".

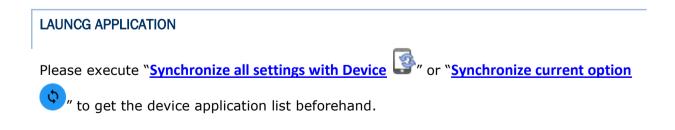
File Transfer			\uparrow
	Key	Enable wak	
Apps	Volume Down		
Button Assignment	Volume Down		
Wireless Manager	Pistol Function		
> Wi-Fi Settings	Pistol		
Cellular Data	Right Function		
> Terminal Emulation	Right Scan		
> AppLock	Soft Back		
System Settings	Back		
Software Trigger	Soft Home		
Enterprise Settings	Home		
SIP Controller	Soft App Switch		
Advanced System Settings	App Switch (soft key)		
	Soft Search		
ual keys could 👘	Search		

To define the function for the physical keys, please double-click on the key to be configured to enter the key's detailed settings page.

-80	Configure Device Settings	;					-		×
•	/ 🗙 🚱 🕻							Φ	•
	File Transfer		Key		Enable wak	\uparrow			
	Apps Button Assignment		Volume Down Volume Down						
>	Wireless Manager Wi-Fi Settings		Pistol Function Pistol					_	
>	Cellular Data Terminal Emulation	Volur	me Up						
>	AppLock System Settings	Categ	ey Mapping Jory	Select Catego	ry		•		
	Software Trigger Enterprise Settings	Physic	cal key	None					
	SIP Controller Advanced System S		aunch Application None				Ţ		
		O La	aunch Application with	h Intent					
					Apply	Cancel			

KEY MAPPING

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.



Select the application to be assigned to the key from the drop-down menu, and click "**Apply**" to save the setting.

LAUNCH APPLICATION WITH INTENT

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.

ENABLE WAKEUP

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".

-8 C	onfigure Device Settings			- 🗆 X
•	/ 🗙 🚱 🗾 📖	1 [929] 1 [2016]		\$ 9
	File Transfer	Key	Enable wak	^
	Apps			
	Button Assignment	Volume Up Volume Up		
	Wireless Manager	Volume Down		
>	Wi-Fi Settings	Volume Down Volume Down		
	Cellular Data	Pistol Function		
>	Terminal Emulation	Pistol	_	
>	AppLock	Right Function		
	System Settings	Right Scan		
	Software Trigger	Soft Back		
	Enterprise Settings	Back		
	SIP Controller	Soft Home		
	Advanced System Settings	Home		
		Soft App Switch		
		App Switch (soft key)		-
		Soft Search		
		Search		+

For virtual keys (soft keys), "Enable Wakeup" is disable all the time.

Note:

The key "Soft Back", "Soft Home", "Soft App Switch", "Soft Search" (for RS50, RS51, & HERA51) are the virtual keys.

3.5.2. BUTTOM ASSIGNMENT (FOR RS35, RK25, RK95, & 9700A)

For the device models listed below, "**Button Assignment**" is a built-in application for redefining the functions of physical keys to trigger different actions.

- RS35
- RK25
- RK95
- ▶ 9700A

	Configure Device Settings			- 🗆 X
•	/ 🗙 💽 🧾	Profile Management Butto	ns	\$ 3
	File Transfer Apps	+ 🖍 🖻 🗖 🔼		
>	Barcode Reader	Profile Name	Enable	
	Button Assignment	System Profile	۲	
	Wireless Manager	Profile A	0	
>	Wi-Fi Settings	Profile B	0	
	Cellular Data	Profile C	0	
>	Terminal Emulation			
>	AppLock			
	System Settings			
	Software Trigger			
>	EZConfig			
	Enterprise Settings			
	SIP Controller			
	Customize			
	Advanced System Settings			

The buttons on "Button Assignment" tab page are for profile management:

Hew Profile

To create a new profile which contains definitions of key behavior or actions.

🕨 🕑 Edit Profile

To edit the selected profile to change key settings.

Delete Profile:

To remove the selected profile from the list.

Copy Profile

To copy an existing profile and make changes from it.

Rename Profile

To give the selected profile a new name.



SYSTEM PROFILE

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

- Redefining the key behavior.
- Setting a profile as "Default" profile (system profile), and the key behavior or actions of the "Default" profile will change.

Note:

- (1) Only one profile can be active at a time.
- (2) For detailed instruction about "Button Assignment", please refer to <u>Button Assignment User</u> <u>Guide for Android</u>.

NEW PROFILE

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

🚭 Configure Device Settings			- 🗆 ×
🖌 🗙 💽			\$ 9
File Transfer			
Apps			
> Barcode Reader	Profile Name	Enable	
Button Assignment	System Profile	۲	
Wireless Manager			
 Wi-Fi Settings 	New Drafile		
Cellular Data	New Profile		
> Terminal Emulation	Enter a name for the new profi	e	
> AppLock			
System Settings	Profile A		
Software Trigger			
> EZConfig	OK Cancel		
Enterprise Settings			
SIP Controller			
Customize			
Advanced System Settir	ngs		
号 Configure Device Settings			- 🗆 X
🗸 🗙 💽			\$ 9
File Transfer	+ 🖍 🖻 🔽		
Apps			
> Barcode Reader	Profile Name	Enable	
Button Assignment	System Profile	0	
Wireless Manager	Profile A	۲	
> Wi-Fi Settings			
Cellular Data			
> Terminal Emulation			
> AppLock			
System Settings			
Software Trigger			
> EZConfig			
Enterprise Settings			
SIP Controller			
Customize			
Advanced System Settir	ngs		

EDIT PROFILE

"Edit Profile "' is to change the key functions to meet the user's needs. Click on a profile

to select it and then click on the profile management button "Edit Profile \checkmark ", or click twice on a profile to list all the keys it contains.

	🗟 Configure Device Settings — 🗆 🗙						
•	/ 🗙 💽 🗾 🏣		Profile C	×			
	File Transfer Apps		Key	↑ Enabled			
>	Barcode Reader Button Assignment	Profile Name System Profile	1	Endored			
	Wireless Manager	Profile A					
>	Wi-Fi Settings Cellular Data	Profile B Profile C	2 ²				
>	Terminal Emulation		3 ³				
>	AppLock System Settings						
>	Software Trigger EZConfig		4				
	Enterprise Settings		5 5				
	SIP Controller Customize		6				
	Advanced System Settings		¢	↓ →			

Double-click on the key that you'd like to assign a new action.

🚭 Profile C	×	😼 Profile C	2
🗸 🗙 🖻		🗸 🗙 🖻	
Key	€nabled	3 3	
1 1		 Key Mapping Category 	Select Category 👻
2 ²		Physical key Enter key code	None
3 ³		O Launch Application	
4		A-Demo	~
5 5		O Launch Application with I	ntent
6	2		Apply Cancel
÷	\rightarrow		

KEY MAPPING

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

- Expand the pull-down menu and select the key type.
- 2) Select the key function you would like to assign, and click on "**Apply**".

After returning back to the profile key list window, click on **"Save** " button after profile editing is done.

😼 Profile C	×				
🗸 🗙 🖻					
3 ³					
Key Mapping					
Category	Modifier Keys				
Physical key	Right Shift 🔹				
Enter key code					
O Launch Application					
O Launch Application with Intent					
	Apply Cancel				

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

- Expand the pull-down menu and select Miscellaneous, and then select "User-defined".
- 2) Input key code, and click on "Apply".

After returning back to the profile key list window, click on "**Save**" button after profile editing is done.

😌 Profile C	X		
5			
5			
Key Mapping			
Category	Miscellaneous		
Physical key	User-defined		
Enter key code	68		
O Launch Application			
A-Demo	~		
O Launch Application with Intent			
	Apply Cancel		

LAUNCH APPLICATION

To assign the key through "Launch Application", please perform "Synchronize all settings

with Device **Synchronize current option v** to synchronize the applications in the currently-connected device beforehand.

Click the radio button to select "**Launch Application**" if you'd like to launch an app with a key press, and then expand the pull-down menu for the entire applications list to select the app you would like to assign.

🚭 Profile C		🗙 🛛 🔮 Prot	file C	×
			X 🖻	
User-defined (key	code: sw.programme.applock.SetHomeAc	tivi	Кеу	
O Key Mapping Category	Select Category	<u> </u>	Launch: BarcodeToSetting	
Physical key Enter key code	None	·····	2	
		3	Right Shift	
 Launch Application BarcodeToSetting 		- 4	4	
O Launch Application wi	th Intent		User-defined (key code: 68)	
	Apply Cancel	6	6	✓
		\leftarrow		\rightarrow

Click on **"Apply**" to save the setting and return to the profile key list window, and then click on **"Save**" button after profile editing is done.

LAUNCH APPLICATION WITH INTENT

Click the radio button to select "**Launch Activity with Intent**" if your app supports launch by intent in its manifest.

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.

😼 Profile C		×
6		
O Key Mapping		
Category	Select Category	<u> </u>
Physical key	None	-
Enter key code		
O Launch Application		-
Launch Application v cipherlab.intent.action.Tes		_
	Apply Cancel	

Once the action is set, your application can be launched with a key press.

WAKE UP

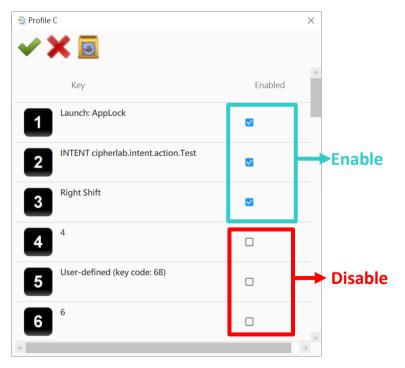
To determine whether to wake up the device display from the off-screen state by pressing this scan key.

This function is only for trigger keys (Scan, Left Scan, Right Scan, & Pistol Scan), and the default setting is enabled.

🔮 Profile C 🛛 🗙					
Left Scan					
O Key Mapping					
Category	Select Category				
Physical key	None				
Enter key code					
 ● Launch Application ♣ EZEdit 					
O Launch Application with Intent					
☑ Wake Up	Apply Cancel				

ENABLE/ DISABLE 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.



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 Profile ", 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.

🚭 Profile C	×
✔ 🗙 🖻	
Key	↑
App Switch (soft key)	
Keypad lock	
F5	
F6	
F7	
F8	✓
<	\rightarrow

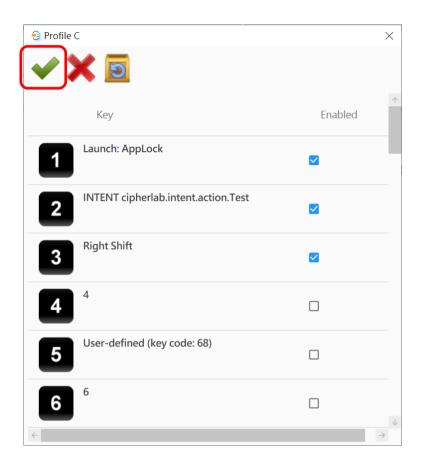
Note:	The three soft keys, Back	⊲	, Home	0	, and App Switch	, are never locked
even if K	eypad lock is enabled.					

SAVE YOUR PROFILE KEY BEHAVIOR

After you change the key functions or enable/disable keys, always remember to click on

"Save " button on the profile key list window, and and click on "Apply " on

"Configure Device Settings" screen to make the key behavior of the profile changed.



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.

SET THE ACTIVE PROFILE

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

To set the active profile, please click the radio button \bigcirc on the right of a profile to make the profile active.

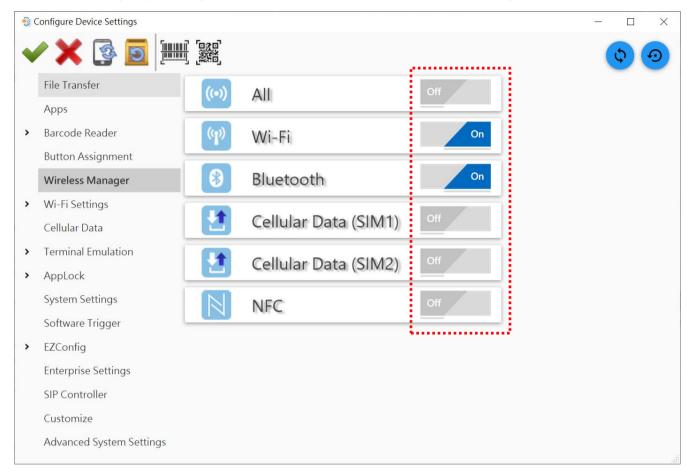
	the key beha the "System Profi			
-30	Config: e Device Settings			- 0
~	🖉 🔀 🗶 🎽			\$
	File Transfer			
	Apps			
>	Barcode Reader	Profile Name	Enable	
	Button Assignment	System Profile	0	
	Wireless Manager	Profile A	0	
>	Wi-Fi Settings	Profile B	0	
	Cellular Data	Profile C		
>	Terminal Emulation			
>	AppLock	Click on the radio button O		
	System Settings	to make this profile active.		
	Software Trigger			
>	EZConfig			
	Enterprise Settings			
	SIP Controller			
	Customize			
	Advanced System Settings			

Make sure to click on "**Apply** " on "**Configure Device Settings**" screen to make the key behavior of the "**System Profile**" change to be the same with the active profile.

3.6. WIRELESS MANAGER

"Wireless Manager" is for setting the device Wi-Fi, Bluetooth, cellular data, and NFC to be enabled or disabled.

Make change by turning on or off the switch for one or all wireless signals.

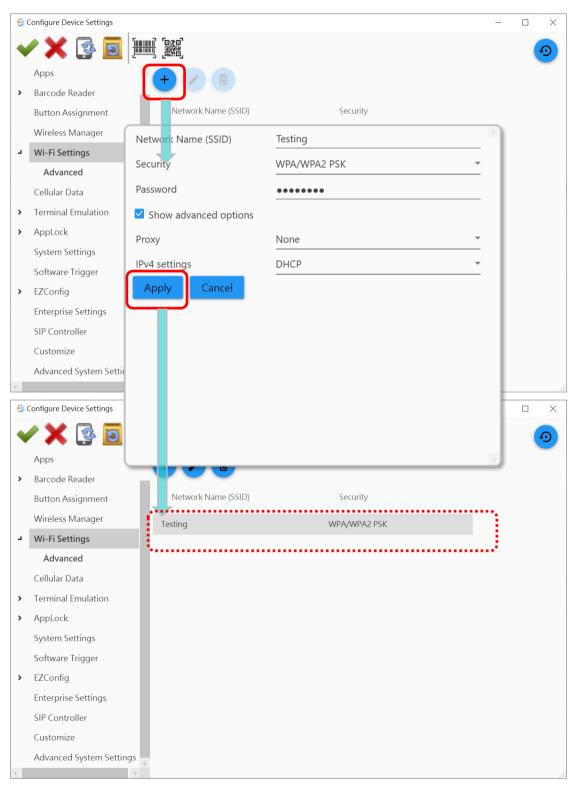


Click on **"Apply** " on **"Configure Device Settings**" window to save your changed settings before closing **"Configure Device Settings**" window.

3.7. WI-FI SETTINGS

"Wi-Fi Settings" is to set the wireless profile for the device(s) to apply. To add a new wireless

profile by **``Add '**, fill in the necessary fields, and finally click on **``Apply**" to save the settings. Click on **``Apply '** before closing the **Configure Device Settings** window.



Note:

For <u>IPv4 settings</u>, 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.

ADVANCED

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

WLAN PREFERENCES

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.

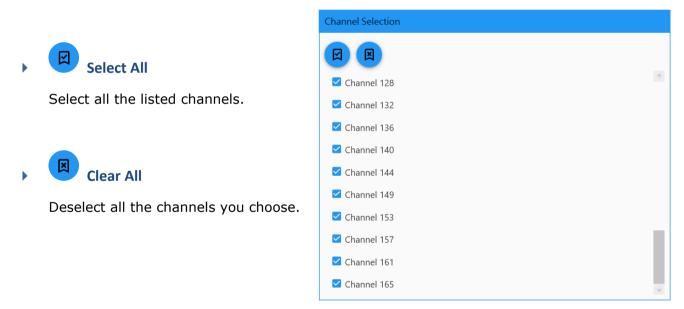
CIPHERLAB PROPRIETARY SETTINGS

Item	Description
Wi-Fi Frequency Band	Select Automatic , 5 GHz only , or 2.4 GHz only for your Wi-Fi frequency band. The default setting is Automatic .
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 the internet. The shorter time means the scanning frequency is higher.
Set Country Code	Select the country code for your device.
Wi-Fi Connection Timeout	The device retains network connection and takes a while to wait for the response from the Wi-Fi till the device cannot reconnect to the previously connected Wi-Fi AP.

ltem	Description
Set Timeout Value	Once "Wi-Fi Connection Timeout" is enabled, you can further set the timeout value.
Captive Portal Detection	To determine Internet connectivity when the device connects to a network.
Enable Fast Transition	Enable 802.11r Fast Transition feature.
Enable WLAN Blacklist	Deny the Wi-Fi AP (access point) which is failed to access for several time, and add the denied AP to the blacklist.
Enable DHCP Blacklist	Forbid the device to connect to the Wi-Fi network whose SSID is on the blacklist.

CHANNEL SELECTION

"**Channel Selection**" is to select the Wi-Fi channel(s) to narrow down frequency band of the 2.4GHz (802.11b/g/n) or 5 GHz (802.11a/n).



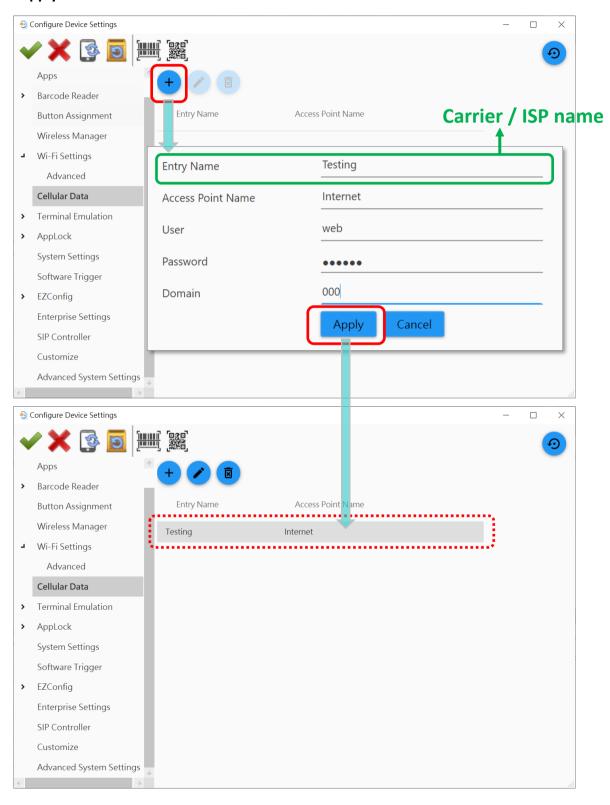
MISCELLANEOUS

Item	Description
Delete WLAN connected list	Automatically clear all the saved WLAN profile on the device after deploying ADC project settings. The newly-created WLAN profile set by this ADC project will be added to the device later.

3.8. CELLULAR DATA

"Cellular Data" is for configuring your cellular data network. To add a new cellular data

network by **`Add +**", fill in the information about this cellular data network, and click on **`Apply**":



The buttons on "**Cellular Data**" page are:

Button	Description
+ Add	To add a new cellular data network.
Edit	To edit the selected cellular data network.
Delete	To delete the selected cellular data network.

Please click on **"Apply ***" to save your changed settings before you close the **Configure Device Settings** window.

3.9. TERMINAL EMULATION

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

The detailed instruction about "**Terminal Emulation**", please refer to <u>**Terminal Emulation**</u>. <u>User Guide (Android)</u>.

- 🔁 (Configure Device Settings			—	\times
~	/ 🗙 🚱 🗾 📖				\$
	Apps	Select a Host for TE default connection	n	Ŷ	
>	Barcode Reader	Session1 : 192.168.1.100			
	Button Assignment	O Session2 : 192.168.1.100			
	Wireless Manager	O Session3 : 192.168.1.100			
>	Wi-Fi Settings	O Session4 : 192.168.1.100			
	Cellular Data				
ч	Terminal Emulation	O <u>Session5 : 192.168.1.100</u>			
	Session1 : 192.168.1.100	Screen Orientation		11	
	Session2 : 192.168.1.100				
	Session3 : 192.168.1.100	Set Screen Orientation	Keep Portrait		
	Session4 : 192.168.1.100				
	Session5 : 192.168.1.100	Access Control			
>	AppLock	Set Password			
	System Settings	Enter your password	Enter your password		
	Software Trigger	Confirm password	Confirm password		
4	F7Config ↓	Select to apply password protection		\downarrow	

SELECT A HOST FOR TE DEFAULT CONNECTION

Click the radio button to set a host profile as the active profile. You can click a host to enter its settings page.

SCREEN ORIENTATION

To switch between Keep Portrait and Keep Landscape.

ACCESS CONTROL

Terminal Emulation allows setting up a password mechanism to prevent unauthorized access of application settings, or leaving the application without authorization.

Item Description	
Enter your password	Specify the password for access control.
Confirm password	Type the same password again.
Select to apply password protection	Select the checkboxes to apply the password protection to the access control items.

3.9.1. SESSION SETTINGS

Settings of a session consist of four tabs: **Host Profile**, **Emulation Settings**, **Network**, and **Debug**.

😌 Configure Device Settings — 🗌 🖸						\times		
	/ 🗙 💽 🧾	[[220] [[256]					4	0
	Apps	Host Profile Emulation	Settings	Network	Debug			
>	Barcode Reader	Emulation Type		VT 100		-		
	Button Assignment	IP		192.168.1	.100			
	Wireless Manager	Port			23	6		
>	Wi-Fi Settings	Port		<u> </u>	23	_		
	Cellular Data	Auto Connect						
-	Terminal Emulation	Auto Sign On						
	Session1 : 192.168.1.100	Login Name		guest				
	Session2 : 192.168.1.100	Login Password		Enter you	r password			
	Session3 : 192.168.1.100	Command(VT Only)						
	Session4: 192.168.1.100							
	Session5 : 192.168.1.100	Login Prompt(VT Only)		Login:				
>	AppLock	Password Prompt(VT Only)		Password				
	System Settings	Command Prompt(VT Only)						
	Software Trigger	Term Login(VT Only)		Tab		-		
4	F7Config →							

HOST PROFILE

Item	Description
Emulation Type	Click the drop-down menu to set the profile to connect to the prospective host, VT or TN type.
IP Address	Input the IP address or name of the host.
Port	Input the port number or click the left/right arrow to decrease/increase port number.
Auto Connect	Select the checkbox to enable auto connection.
Auto Sign On	Select the checkbox to enable auto sign-on and proceed with further settings below.
Login Name	Input the login name.
Login Password	Input the login password.
Command (VT Only)	Input the command (only for VT emulation type).
Login Prompt (VT Only)	Specify the text exactly displayed by the host service to prompt for user name. This function is available for VT host types only.
Password Prompt (VT Only)	Specify the text exactly displayed by the host service to prompt for password. This function is available for VT host types only.
Command Prompt (VT Only)	Specify the text exactly displayed by the host service to prompt for command. This function is available for VT host types only.
Term Login (VT Only)	Click the drop-down menu to select between Tab and Enter to assign the key to switch over Login Name and Login Password. This function is available for VT host types only.

EMULATION SETTINGS

Click to enter Emulation Settings tab page:

-80 (Configure Device Settings							_	\times
•	/ 🗙 💽 🗾 🗮								•
	Apps	Host F	Profile	Emulation Settings	Network	Debug			
>	Barcode Reader	VTS	Settings				~	\uparrow	
	Button Assignment								
	Wireless Manager	Scre	een				~		
>	Wi-Fi Settings								
	Cellular Data	Alarm							
-	Terminal Emulation		Contro	l Reader By Command		~			
	Session1 : 192.168.1.100 Session2 : 192.168.1.100		Feedba	ack By Command/Text		~			
	Session3 : 192.168.1.100								
	Session4 : 192.168.1.100 Session5 : 192.168.1.100	Key	Mapping				~		
>	AppLock	Ωv	/olume Up -	> VT ESC					
	System Settings	SSH	1				~		
	Software Trigger	L						Ý	
÷	F7Config ↓								

VT SETTINGS

Click to open **VT Settings** panel to show the settings.

ltem	Description
Data Input Uppercase	Capitalizes all the letters of input data.
LineBuffer	Shows typed text and commands locally on Terminal Emulation, and transmits them to host service only after Enter key is hit to confirm the input.
Local Echo	Shows typed text locally on Terminal Emulation just as it is being transmitted to host service.
Send String When Connect	Defines the command that Terminal Emulation sends to host service upon connection. Click the right-hand icon to bring up a character table for entering the desired command.

Item		Description		
	Specify a string to be sent to the host when receiving an ENQ from the host. Users can include the variables as follows for device identification.			
	Variables	Description		
	%m%n%o%p%q%r	depict six octets of the MAC address		
	%a%b%c%d	depict four octets of the IP address		
	%s	depict the TE session number		
New Answer Back	%t	depict the Terminal ID (vt100,vt102, vt220 and ansi)		
	For example: Users specify the "%m%n%o%p%q%r-%a.%b.%c.%d-%s-%t" string. The mobile device will send "0017231BABF9-192.168.241.65-1-vt220" (0017231BABF9 representing MAC address, 192.168.241.65 representing IP address, 1 representing the TE session number, and vt220 representing the terminal ID) to VT Server when receiving ENQ from the host.			
Remote Character Set	Assigns the character code for displaying the characters received from the server.			
Replace Char if Unconvertable	When UTF-8 is assigned, this checkbox is available. Select the checkbox and click the drop-down menu to assign the character for replacement.			

SCREEN

Click to show the settings on **Screen** panel.

Item	Description
Show Session Number	Displays a session icon 🔟 on the screen to allow quick switching to other sessions.
Show Connecting Host IP	Displays connecting host IP right beneath the toolbar.

Item	Description
Screen Panning	Enable/disable viewing the desired portion of the screen by swiping the display.
Auto Popup SIP On Connection	Check it to enable the pop-up SIP on connection.
Activate Macro	Check it to enable pop-up Macro toolbar on the screen once the session is connected.
Set HW Key (SHIFT + RIGHT) to Exit App	Enable/disable the hardware key combination (SHIFT + RIGHT) to exit the app.
Set HW Key (SHIFT + ESC) to Control SIP	Enable/disable the hardware key combination (SHIFT + ESC) to control SIP.
Cursor Type	Click the drop-down menu to select the cursor type.
Auto Tracking	 Auto-positions Terminal Screen to bring cursor into view. Select the checkbox and click the drop-down menu to select. Visible (The cursor constantly shows at the upper-right of the screen.) Center (The cursor constantly shows in the center of the screen.) Locked Location (The screen is locked to the position set by column and row.)
Column/Row	When Auto Tracking is set to Locked Location, users can specify the accurate coordinates.
Fonts	click the drop-down menu to assign the font to show characters in Terminal Screen.
Font Size	click the drop-down menu to assigns the size to show characters in Terminal Screen
Line Spacing	Specify the line spacing.
Color Settings	Click the right-hand icon to bring up the dialog. Select the font color and background color in the Terminal Screen to suit users' preferences.
Override Server Color	Select the checkbox to apply color settings to the server.

The part of "Full Screen":

Item	Description				
Auto Full Screen On Connection	Check it to enable full screen mode automatically when connecting to the server.				
Show Navigation Bar	Check it to enable the Navigation bar in full screen mode.				
Show Wi-Fi/Battery Info on Full Screen	 Sets the items to display in full screen, either the battery level icon or Wi-Fi signal strength icon, on condition that the title bar is not enabled. The SIP icon can be enabled regardless of whether the taskbar is shown on full screen. Update Wi-Fi/Battery Icon Interval: Click the drop-down menu to select Wi-Fi/battery status icon update Interval (min). Options are: 1, 3, 5, 15, 30, 60 minutes. Choose Wi-Fi Alert Level (%): Select to define threshold for low Wi-Fi signal alert to appear (by a pop-up dialog indicating the Wi-Fi signal strength). Options are: 10, 20, 30, 40, 50, 60, 70, 80, 90%. Choose Battery Alert Level (%): Select to define threshold for low battery alert to appear (by a 				
	pop-up dialog indicating the remaining battery level). Options are: 10, 20, 30, 40, 50, 60, 70, 80, 90%.				

ALARM

Click to show the settings on **Control Reader By Command** panel.

Enable the host service to send commands in order to turn on/off the reader module:

ltem	Description
Enable Command	Assign a command (escape sequence) for turning on the reader module.
Disable Command	Assign a command (escape sequence) for turning off the reader module.
Sound	Select a sound from the drop-down menu.

ltem	Description
	Assign the command (escape sequence) for input success. When Terminal Emulation receives the command, the mobile computer will play the specified beeper sound or vibrate for the specified amount of time.
	• Feedback Type: Select Command or Text.
Good Feedback	• Command/Text: Enter the sequence of interest.
	• Sound: Select a sound from the drop-down menu.
	• Vibrator: Select the amount of time to vibrate. Configure
	vibration duration between 0 and 5 sec (in increments of 0.5
	sec).
Error Feedback	Assign the command (escape sequence) for input failure. When Terminal Emulation receives the command, the mobile computer will play the specified beeper sound or vibrate for the specified amount of time.

Expand Feedback By Command/Text panel to show the settings:

KEY MAPPING

Click to shoe the settings on **Key Mapping** pane. This function is only for devices equipped with physical keyboard. **Terminal Emulation** supports "**Key Mapping**", enabling users to define a physical key (or combined keys) of the mobile device mapping to a specific function performed on the server.

Key Mapping	g		^
	0		
Server key	Physical key	Ctrl Shift Alt	\uparrow
Enter	ENTER		
Backspace	DEL		
Delete	Undefined		
Tab	ТАВ		
Left	DPAD_LEFT		
Right	DPAD_RIGHT		
Up Arrow	DPAD_UP		
Down Arrow	DPAD_DOWN		
Esc	ESCAPE		
Line Feed	Undefined		
Find	Undefined		
Select	Undefined		
			\downarrow

Select a particular key item and then click on "Edit "
to show the setting page. Click on

the button **"Open ASCII Table** " to bring up the dialog to specify the server command string for the key.

	G			Tal	er key					3
erver key	Phy	/sical key			-					
Enter		INTER		Map	ped Physi	cal Key				
Backspace	C	DEL			tegory					
Delete	L	Jndefined			iting Keys				-	
Tab		AB			ysical key					
Left		OPAD_LEF		ТА						
Right		OPAD_RIG		_ _		Ctrl 🗆 A	1+		<u> </u>	
					i snitt 🗀		It			
Up Arrow		OPAD_UP								
Down Arrov		DPAD_DO	WN					×	Apply	Cancel
	00	01	02	03	04	05	06	07		
00		DLE	Space	0	@	Р	1	р		
01 02	SOH STX	DC1 DC2	!	1 2	A B	Q R	a b	q r		
03	ETX	DC2	#	3	c	S	c	s		
04	EOT	DC4	\$	4	D	т	d	t		
05	ENQ	NAK	%	5	E	U	e	u		
06	ACK	SYN	&	6	F	v	f	v		
07	BEL	ETB	×	7	G	W	g	w		
08	BS	CAN	(8	н	x	h	x		
09	ТАВ	EM)	9	1	Y	i	У		
0A	LF	SUB	*	:	J	Z	j	z		
OB	VT	ESC	+	;	К]	k	{		
	FF	FS	<i>i</i>	<	L	λ	1	1		
0C		GS	-	=	М	1	m	}		
OC OD OE	CR									

Server Key

The function performed on the server.

Mapped Physical Key

Configures the selected Server Key.

Setting	Description
	 Lists the categories of Physical Keys.
	 Alphabets
	Numbers
Category	 Punctuations
	Function Keys
	Navigation Keys
	 Editing Keys
Physical Key	 Serves the function of the Server Key.
Ctrl/ Shift/ Alt	 Functions with the physical key if selected.

VOLUME UP - -> VT ESC

This function is only for devices without physical keyboard.

With this function enabled, after a connection to the VT server is established, pressing the volume up button sends ESC to the VT server. This function is available only for VT Emulation.

SSH

Click to show the settings on **SSH** panel.

The secured connection protocol **Secure Socket Shell (SSH)** is available for VT emulation. As it provides strong authentication and secures encrypted data communications, it suits the needs of a solution which requires high security level of data transmission.

Android Deployment Configurator User Guide

Item	Description			
Enable SSH	Select the checkbox to enable SSH.			
Generate SSH Log	Select the checkbox to generate SSH log.			
	Click the drop-down menu to select between Key File and Name/Pwd .			
Authentication Type	 Load a profile key: Transfer a key file (*.pem or *.ppk) to your mobile computer. Click Advance button to bring up the dialog. Click the "Import "" to import the key file. Name/Password: Or with Name/Pwd selected, you can access the remote server using Name and Password. Click the Advance button and then key in your Login name and Password respectively. 			

The other settings on "**SSH Key File**" window are depicted as follows:

🚭 SSH Key File	×	🚭 SSH Key File	\times
✓ X	^	Re-key Every 1G of Traffix	\uparrow
Login Name	- 1	Overwrite Existing Log file	
Key File		Server	
Key File None Key File Path	l	Environment Command TTY	
		Proxy Type None	
		Host	
General Options		Port <u>3</u> 0	
		User	
Use TCP No-Delay		Password	
No Pseudo-Terminal on Host	\downarrow		\downarrow

General Options					
Use TCP No-Delay	Enable this option to enhance the performance of small-amount data transmission between Server and client Device. However, this function might result in excessive traffic of short packets.				
No Pseudo-Terminal on Host	The "pseudo-terminal mode" is fundamental for VT (UNIX) hose system to build up emulation sessions between client Device Disable it if necessary.				
No Host Shell	 Enable this option to have TE not run shell or command after connecting to the remote host server. This option is applicable only when: SSH connection is used for port forwarding, and your user account on the server is not allowed to run a shell. SSH protocol version 2 is supported on host server. 				
Re-Key Every 60 Minutes	In RFC 4253 (the SSH Transport Layer Protocol), the Re-Key method ensures the key is exchanged only upon per gigabyte of transmitted data or per hour of connection time, whichever occurs sooner.				
Re-Key Every 1G of Traffic	Enable these options to trigger TE to exchange a new key with the server every 60 minutes or following a total data flow of 1 Gigabyte in either direction.				
Overwrite Existing Log File	Enable this function to have the new Log file always overwrite the previous one.				

Server	
Environment	Specifies environment variables to be set on the SSH server.
Commands	Represents a special command or subsystem to invoke on the SSH server in lieu of an interactive shell. This is typically used for non-interactive host sessions. For most users this will be blank.
ТТҮ	This setting can be used to add TTY Modes to be sent to the SSH server.

Ргоху	
Туре	Proxy allows you to configure CL TE to use various types of proxy servers in order to make network connections.
	The settings affect the primary network connection from your CL TE SSH session, but also any extra connections made as a result of SSH port forwarding.
	Click the drop-down menu to configure what type of proxy you want CL TE to use for its network connections. The choices are:
	None: no proxy is used.
	SOCKS 4 or SOCKS 5: proxy through a SOCKS server.
	 HTTP: proxy through a web server supporting the HTTP CONNECT command.
	The default setting is None.
Host	Specify the DNS name or IP address of the proxy server. The default is blank.
Port	Specify the port on which the proxy server is listening. Set this to match the port on the proxy server for connections.
User	If your proxy server requires authentication, enter the username. The default is blank.
Password	If your proxy server requires authentication, enter the password. The default is blank.

Always remember to click on **"Apply ***" before you close the **Configure Device Settings** window.

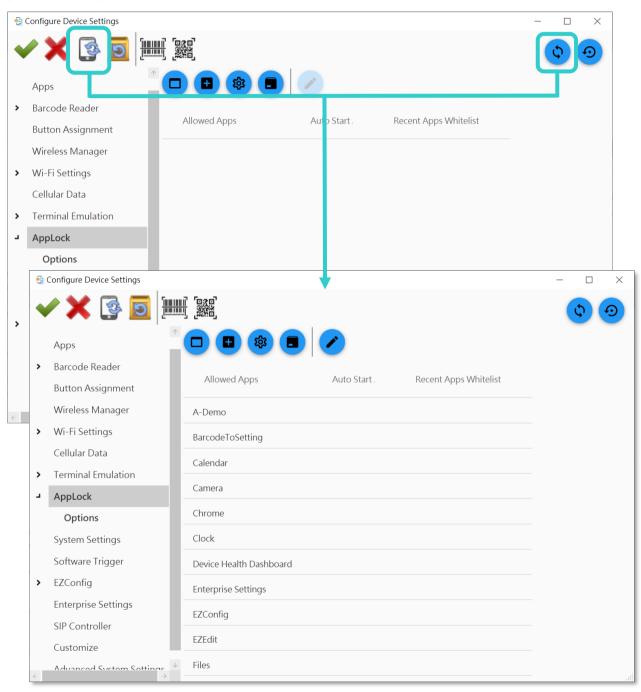
Note:

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

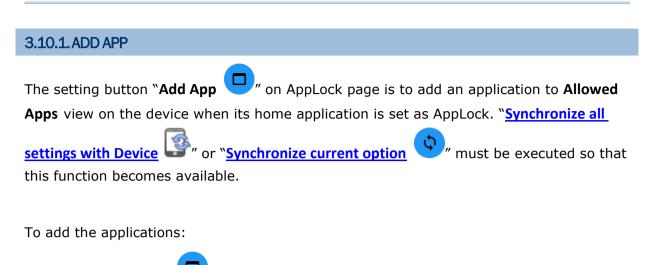
3.10.APPLOCK

For **AppLock** configuration, please perform "Synchronize all settings with Device

"Synchronize current option " to 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.



For the detailed instruction about "**AppLock**", please refer to <u>AppLock User Guide for</u> <u>Android</u>.



1) Click on ***Add App** "" to show the application list and tick the checkbox of the app you'd like to add to **Allowed Apps** view.

	Configure Device Settings		_		×
•	/ 🗙 💿 🗾 🎘			4	Ο
	File Transfer				
>	Apps Barcode Reader	A-Demo			
	Button Assignment	Airlock Browser			
>	Wireless Manager Wi-Fi Settings	✓ I BarcodeToSetting			
	Cellular Data	✓ ⁻ × + ⁻ Calculator			
>	Terminal Emulation	🔲 🛐 Calendar			
>	AppLock				
	System Settings	Camera			
	Software Trigger	🗹 🧿 Chrome			
>	EZConfig				
	Enterprise Settings				
	SIP Controller	Contacts			
	Customize	Auto start delay (seconds) < O >			
	Advanced System Settings	Apply Cancel			.11

If you would like to specify a certain amount of time to delay launching the <u>Auto Start</u> <u>Apps</u> at AppLock startup, please set the time for "**Auto start delay (second)**". The default setting is 0 (second). 2) Click "**Apply**" to add the app(s).

-8	Configure Device Settings				_	
•	/ 🗙 💿 🗾 🏣					•
	File Transfer					
	Apps					
>	Barcode Reader	Allowed Apps	Auto Start.	Recent Apps Whitelist		
	Button Assignment	A-Demo				
>	Wireless Manager Wi-Fi Settings	BarcodeToSetting				
	Cellular Data	Calculator				
>	Terminal Emulation	Chrome				
>	AppLock					
	System Settings					
	Software Trigger					
>	EZConfig					
	Enterprise Settings					
	SIP Controller					
	Customize					
	Advanced System Settings					
1						

3.10.2. CREATE A NEW APP ITEM

Without performing "Synchronize all

settings with Device or "Synchronize

current option (*, you may click on

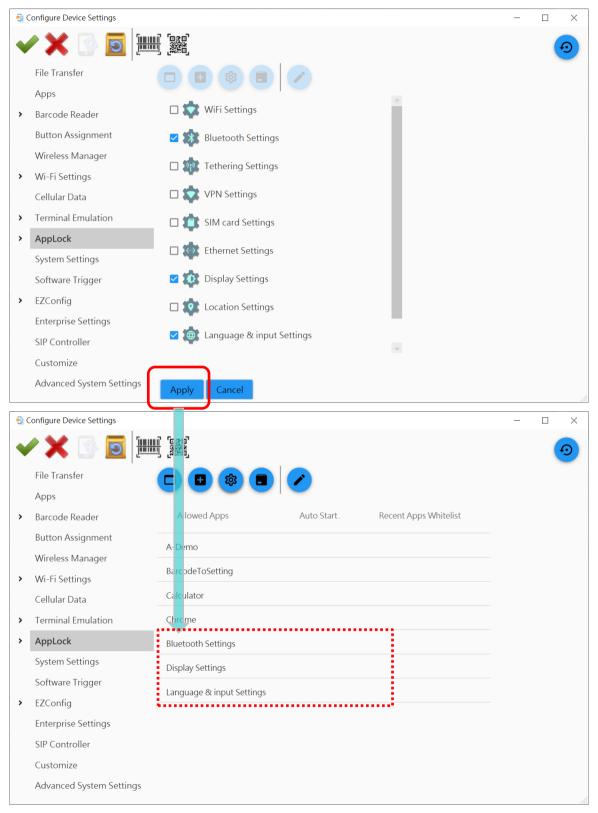
"Create a new App item "" to manually input the app information of your desired app which is already installed on the device.

Click "OK" to add the app to Allowed Apps list.

Create a new App item		
Name		
Chrome		
Package Name		
com.android.chrome		
Activity		
com.google.android.apps.chrome.Main		
ОК	Cancel	

3.10.3. ADD SHORTCUT

Add Shortcut * on to add system setting as shortcut to Allowed Apps view. Tick the checkbox of the system setting and then click on **** Apply***"*.

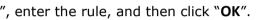


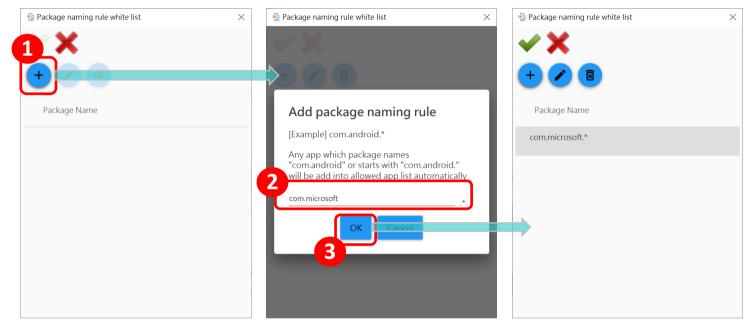
3.10.4. ADD PACKAGE NAMING RULE

"Add Package Naming Rule "" is to set the naming rule to prescribe which apk (Android application package) can be manually installed on the device 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.

Click on ***Add Package Naming Rule *** to open ***Package naming rule white list** *"* window

to add a new rule by clicking "Add +", enter the





The buttons on "Package naming rule white list" window are:



Add a new rule to the white list.

Edit package naming rule

Edit the selected rule.

Delete

Remove the selected rule from the white list.

• 🗸 ок

Confirm your changed setting on "Package naming rule white list" window.

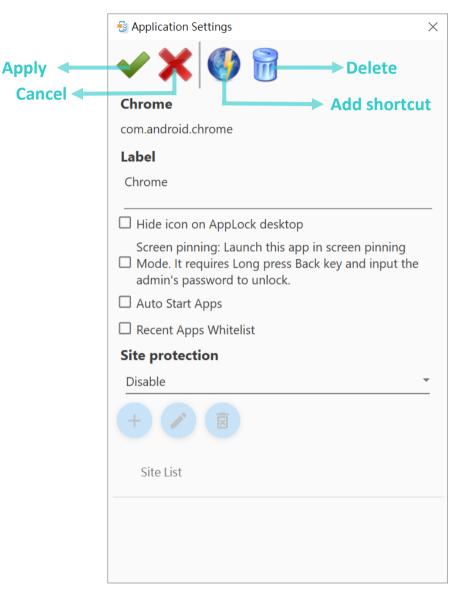
Cancel

Withdraw your changed setting on "Package naming rule white list" window.

3.10.5. EDIT

Through the button "**Edit** ", you can open "**Application Settings**" window of the selected app or shortcut on "**Allowed apps list**" for further settings.

	Configure Device Settings			_	×
•	/ 🗙 💽 🧾		-2		Ð
	File Transfer				
	Apps				
>	Barcode Reader	All	owed Apps Auto Start. Recent Apps Whitelist		
	Button Assignment	A-Der	20		
	Wireless Manager				
>	Wi-Fi Settings	Barco	deToSetting		
	Cellular Data	Calcu	Sepplication Settings		
>	Terminal Emulation	Chro			
>	AppLock	Bluet			
	System Settings	Displ	BarcodeToSetting		
	Software Trigger	Lang	com.cipherlab.barcodetosetting		
>	EZConfig		Label		
	Enterprise Settings		BarcodeToSetting		
	SIP Controller				
	Customize		Hide icon on AppLock desktop		
	Advanced System Settings		Screen pinning: Launch this app in screen pinning Mode. It requires Long press Back key and input the		
			admin's password to unlock.		
			✓ Auto Start Apps		
			Recent Apps Whitelist		



"Application Settings" window offers the following settings:

LABEL

"Label" is the field for inputting the new name for this app to rename this it.

HIDE ICON ON APPLOCK DESKTOP

"Hide icon on AppLock desktop" is to determine whether an app/ shortcut is visible in Allow Apps view. By enabling "Hide icon on AppLock desktop", the app/ shortcut will not be shown in Allow App view, but it is still operational as other apps displayed on Allow Apps view.

SCREEN PINNING

The application with "**Screen pinning**" function enabled could not be exited or closed by tapping any hardware buttons on device 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 on the device and then input the admin password in the "**Unpin Application**" pop-up window.

AUTO START APPS

"**Auto Start Apps**" is for setting an application to automatically start when AppLock is launched on thedevice.

RECENT APPS WHITELIST

"Recent Apps Whitelist" is for selecting the applications to retain in the recent apps list.

Pressing "**Recent Apps**" button on the device will display the record of recently used applications. The record can be cleared by the AppLock function "**Clear Recent Apps**", but the application(s) with "**Recent Apps Whitelist**" enabled will be kept.

APPLY

Click on **"Apply "** to save your changed settings on **"Application Settings**" window, and close the **"Application Settings**" window at the same time.

CANCEL

Click on "**Cancel** X" to withdraw the changed settings on "**Application Settings**" window, and close the "**Application Settings**" window at the same time.

DELETE

Click on "**Delete** "' to remove this application/ shortcut from "**Allowed apps list**", and close the "**Application Settings**" window at the same time.

ADD SHORTCUT

For **"Chrome**", you can add website shortcut to the main screen by **"Add shortcut** .

SITE PROTECTION

"**Site protection**" is for setting certain sites as blacklist or whitelist for up to 32 URLs. This function is only available for the applications **Android default browser** and **Chrome**.

$rac{1}{2}$ Application Settings $ imes$	
🖌 🗶 🚯 🗒	
Chrome	
com.android.chrome	
Label	
Chrome	
Hide icon on AppLock desktop	
Screen pinning: Launch this app in screen pinning	
Mode. It requires Long press Back key and input the admin's password to unlock.	
□ Auto Start Apps	
Recent Apps Whitelist	
Site protection	
Blacklist mode	Disable
+	Blacklist mode
Site List	Whitelist mode
yahoo.com	

Setting	Description	
Disable The function "Site protection" is not enabled.		
Blacklist mode	Blacklist modeThose URLs on Site List are prohibited to be visited.Whitelist modeOnly those URLs on Site List are permitted to be visited.	
Whitelist mode		

The buttons for "**Site protection**" are:



3.10.6. OPTIONS

"Options" is a setting group that controls how AppLock acts each time it is used.

NOTIFICATION BAR

Setting	Description
Show Notification Bar	To show the notification bar on the top of the screen on device. Use the notification bar to check battery status, wireless connection status, and system notifications
Enable Notification Bar	To determine whether the notification bar could be slid down to check & manage system notifications and open Quick Setting Panel and Quick Setting Menu. Onceit is enabled, all the notifications on the lock screen will be shown.
	If it is disabled, 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	To decide whether showing the notifications of allowed apps to users. The default setting is enabled, however, this function doesn't work when " Enable Notification Ba r" is enabled.
	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	To ennable or disable the head-up notifications to pop-up. This function is not supported for RS30 mobile computer.

DISPLAY

Setting	Description
Wallpaper	To set the wallpaper for AppLock home screen.
Logo	To display a logo at the top of AppLock home screen.
Home screen text color	To set the text color displayed on AppLock home screen.

SECURITY

Setting	Description
Set Login Password	To set the login password for the administrator access level.
Show Password	To make the current password visible during setup of a new password.
Monitoring App Installation	To restrict AppLock users from installing any apk of the apps excluded from the "Allowed App" list

ASSIST APP & OTHER SETTINGS

Setting	Description
Choose Assist app	To select an app to be the assist app which can be opened by long pressing Home button. You can set no assist app to remain it as none.
Remove Lockscreen Icons	To hide the app shortcut(s) on the device lockscreen.
USB Connection Allowed	To make the device storage visible from PC client when the device is connected with PC by the USB cable.

3.11.SYSTEM SETTINGS

"System Settings" lists the android system settings on device as below:

3.11.1. DEVICE

Please click to expand more settings.

HOME APP

Setting	Description
Home App	To select "Launcher" or "AppLock" to be Home app.

DISPLAY

Setting	Description
Brightness level	To set the device screen brightness by dragging the slider to the right to increase brightness, or left to reduce brightness.
Adaptive brightness	To enable automatic backlight adjustment with the device's built-in sensor.
Use system wallpaper	To determine whether to use the system wallpaper or not. If not, you have to set the wallpaper image path and the device path to save the wallpaper on device.
Sleep	To select the time lapse for screen timeout.
Font Size	To set the device font size.
Display Size	To set the device display size.
Auto-rotate screen	To enable or disable enable automatically screen rotation when the device is turned sideways.

BATTERY

Setting	Description
Battery Mode Selection	To select " Performance mode " which offers better & extra 10% to 20% working hour performance but might affect battery life, or " Balance mode " which balances between working hour and battery life.
Battery Percentage	To show or hide the percentage beside the battery icon on the device status bar.

NOTIFICATIONS

Setting	Description
On the lock screen	To determine whether to show notifications on device lock screen or not.

SOUND

Setting	Description
Media Volume	To set the dvice media volume by dragging the slider.
Alarm Volume	To set the dvice alarm volume by dragging the slider.
	To set the dvice ring volume to be normal, vibration, or mute.
Ring Volume	If " Normal " is selected, you can further adjust the ring volume by dragging the slider.

3.11.2. PERSONAL

Please click to expand more settings.

LOCATION

Setting	Description
GPS	To enable or disable the device GPS.
Mode	If "GPS" is enabled, you could further select the mode between "High accuracy", "Battery saving", and "Device only".

Note: RK95 mobile computer doesn't support "Location".

SECURITY

Setting	Description
Screen lock	To select elect "None", "Swipe", "PIN", or "Password" for Screen lock. By choosing "PIN" or "Password", you could further input password and confirm it.
Unknown Sources	To allow or prohibit the installation of apps from unknown sources.

LANGUAGE & INPUT

Setting	Description
Language	To set the desired system language for the device.
Spell Checker	By enabling " Spell Checker ", a list of suggested words will be shown as you type on your device.

3.11.3.SYSTEM

Please click to expand more settings for **Date & time**.

Setting	Description
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	Manually set the date.
Set time	Manually set the time.
Select time zone	Manually select the time zone.
Use 24-hour format	To convert the time format 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.

3.12.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.

Settings		
Enable		
Size	Medium	
Auto start software trigger after startup		

Enable

Check 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**"

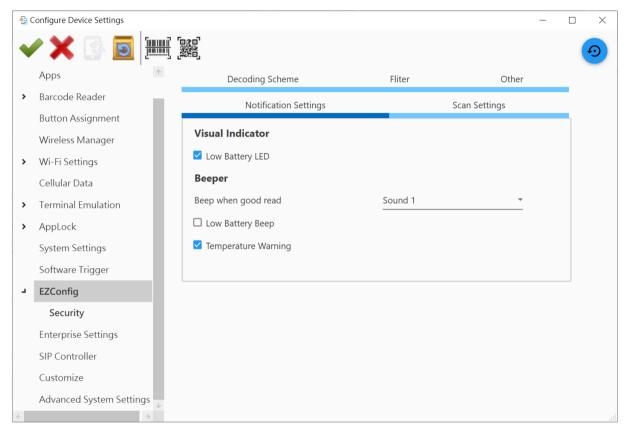
Auto start software trigger after startup

Check to enable starting "Softeware Trigger" automatically on device boot up.

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

3.13. 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. Please refer to **EZConfig User Guide** for Android for the detailed instruction.



Please click on each category to list the settings.

3.13.1. NOTIFICATION SETTINGS

To set the LED and beeper notification:

VISUAL INDICATOR

Setting	Description
Low Battery LED	Check to enable the LED indicator of RK25 UHF RFID Reader which will flash in red 5 times every 2 minutes or when it wakes up from suspend mode if the battery power level is 0%

BEEPER

Setting	Description
Low Battery LED	Check to enable the LED indicator of RK25 UHF RFID Reader which will flash in red 5 times every 2 minutes or when it wakes up from suspend mode if the battery power level is 0%
Beep when good read	Select to mute the beeper for good read, or set the sound for good read.
Low Battery Beep	To enable the low battery notification sound which occurs when the RK25 UHF RFID Reader's battery power level is 0%.
Temperature Warning	Check to enable the notification to prompt you if the RK25 UHF RFID Reader is over 65C °. The high temperature warning will not go off until the temperature drops down to 62C °.

3.13.2. SCAN SETTINGS

SCAN SETTINGS

Setting	Description	
Power Level	To drag the slider to adjust the power level for reading distance.	
Trigger Key	 Set the reading mode when pressing the trigger once: Once To read the tag(s) once. Continuous To keep reading the tag(s) till the trigger is released. Alternate To perform "Once" and "Continues" one after the other repeatedly. 	

PREFERENCES

Setting	Description	
	To select from the drop-down menu to set the work mode.	
Work Mode	If you select the mode other than " Multi-tag mode ", you can further set " RF Link ".	
RF Link	To select the RF Link depends on the interference suppression abilities and the speed you need for the application environment.	
	To select from the 4 sessions are used for reading tags.	
Session	Every session has 2 target states A and B. A tag is in state A if it is not read, and once it is read, its state flips from "A" to "B" and stops replying to readers.	
	The 4 sessions provide different persistence of state B.	
Q Value	Q value is effected by the number of tags from 0 to 15, and the tag population is based on 2^Qvalue . For example, if the tag quantity is 50, it is suggested to set the Q value as 6. However, dynamic Q is suggested for standard use.	
Dynamic Mode		
Current	Larger Q values decrease the probability of collision, and will reduce the throughput.	
Minimum Q Value	To set the "Current" Q value by dragging the slider. If "Dynamic Mode" is enabled, , you can further set "Minimum Q value" & "Maximum Q value".	
Maximum Q Value		
	> STATE A:	
	Tags are in state A before they are read, and they flip to state B once they are read.	
	STATE B:	
Inventory Status	Once a tag is read, it changs its state from "A" to "B", and the tags in state B stops responding to a reader using the same session query. The persistence of the tag in state B varies based on the session.	
	AB FLIP:	
	Repeats State A and State B over and over.	

DATA OUTPUT

Setting	Description	
Keyboard Emulation	To treat the decoded data as typed text and outputs it to the active application on the device. Keyboard Emulation is only available when <u>Trigger Key</u> is set as "Once".	
Inter-Character Delay	To set the delay time which is inserted between every character being transmitted. The longer the delay time is, the slower the transmission speed will be.	
Prefix	 Prefix: To affixes 0 to 20 characters to the left of the output data. Suffix: To affixes 0 to 20 characters to the right of the output data. 	
Suffix	Please click on the button " Open ASCII Table ⁽¹⁾ " to open a character table for setting.	

3.13.3. DECODING SCHEME

Tick the checkbox of the **EPC** (Electronic Product Code) Encoding Scheme to decide which kind of tags can be read.

Notification Settings		Scan Settings
Decoding Scheme	Fliter	Other
SGTIN-96	SIAI-202	
SGTIN-198	GSRN-96	
SSCC-96	GDTI-96	
SGLN-96	GDTI-113	
SGLN-195	GID-96	
GRAI-96	D oD-96	
GRAI-170	ADI-ver	
GIAI-96		

3.13.4. FILTER

The EPC encoding scheme allows RFID reader to accept various types of tag. However, the EPC filter can pick only one type of tag from those EPC tags; other types will be bypassed.

Select the **EPC encoding scheme** (the default setting is "**None**") from the drop-down menu, and then select "**Filter Type**" and "**Filter method**". Please note that "**Filter method**" differs based on the EPC encoding scheme.

Notification Settings	Sci	an Settings	
Decoding Scheme	Fliter	Other	
Select the EPC encoding scheme which the filter applies to:	None	•	
	None		1
	SGTIN-96		1
	SGTIN-198		
	SSCC-96		
	SGLN-96		
	SGLN-195		
	GRAI-96	_	\downarrow
		_]
Notification Settings	Sca	an <mark>Set</mark> tings	
Decoding Scheme	Fliter	Other	
Select the EPC encoding scheme which the filter applies to:	SGTIN-96	<u> </u>	
Filter type	Include EPC	•	
Filter method			
• Filter by EPC filter value	[0] All Others	-	
O By GS1 Company Prefix	(6~12 digits)		
O By Item Reference	(1~7 digits)		
Maximum number of digits in an Item Reference:	•	(1)	

FILTER TYPE

EPC filter is designed to check the contents of the EPC tag with the specified tag type to determine whether the scanned record is accepted or ignored.

Please select "Include EPC" as the whitelist while "Exclude EPC" as the blacklist.

FILTER METHOD

Please select a filter method from "Filter by EPC filter value", "By GS1 Company Prefix", and "By Item Reference".

Setting	Description	
Filter by EPC filter value	The filter value is additional control information that may be included in the EPC memory bank of a Gen 2 tag. The intended use of the filter value is to allow an RFID reader to select or deselect the tags corresponding to certain physical objects, to make it easier to read the desired tags in an environment where there may be other tags present in the environment.	
	Please refer to Section 3.4.2 "EPC Filter" of EZConfig User Guide for Android for the detailed description about "Filter by EPC filter value".	
By GS1 Company Prefix	Company prefixes are based on the GS1 prefixes. Note that since GS1 member companies can manufacture products anywhere in the world, GS1 prefixes do not identify the country of origin for a given product.	
	Please refer to https://www.gs1.org/standards/id-keys/company-prefix	
By Item Reference	Select " By Item Reference " and specify at least one up to 7 digits. " Maximum number of digits in an Item Reference " is available when " By Item Reference " is selected. Move the slider to increase or decrease the maximum number of digits.	
Maximum number of digits in an Item Reference		

3.13.5. OTHER

To set the power mode for your RK25 UHF RFID reader:

Setting	Description
Power Save Mode	The mode that saves the battery power. Its speed of reading multiple tags is 30% slower than " Normal Mode ", but it improves 7% operating time compared with " Normal Mode ".
Normal Mode	The mode which strikes a balance between performance and operating time.
Boost Mode	The mode which offers the maximum performance. Its speed of reading multiple tags is 50% superior to " Power Save Mode ".

Note:

The aforementioned operating times are the reference values measured under room temperature and other conditions set by our company. The actual operating times would be affected by the working conditions:

- (a) Half of display brightness
- (b) RF tag continuous read
- (c) Maximum device speaker level
- (d) Wi-Fi on

3.13.6. SECURITY

Click the subitem "Security" of EZConfig	' on sidebar to enter " Security " page
--	--

	🗟 Configure Device Settings – 🗆 🗙					
~	/ 🗙 💽 🔟					
	File Transfer	Password				
	Apps					
>	Barcode Reader	Enter password (maximum 32 characters)				
	Button Assignment	•••••				
	Wireless Manager	Confirm password				
>	Wi-Fi Settings	•••••				
	Cellular Data					
>	Terminal Emulation	Password-protected features				
>	AppLock	Import				
	System Settings	Export				
	Software Trigger	☑ Factory Reset				
4	EZConfig	☑ Update Firmware				
	Security					
	Enterprise Settings					
	SIP Controller					
	Customize 🗸					
~	\rightarrow					

PASSWORD

By setting your password, you can restrict other users of this mobile computer from changing certain configurations or accessing certain functions in **EZConfig**.

Simply enter and confirm your password. Once setting is done, you can further set the "**Password-protected features**".

PASSWORD-PROTECTED FEATURES

Select the function(s) to be protected by the password you set. The ptotected functions require password for access after logging out in **EZConfig** on the device.

To access these protected functions, please log in with your password.

3.14. ENTERPRISE SETTINGS

The settings on "**Enterprise Settings**" page vary according to the <u>project device model</u> you set. This section lists all the settings:

LOCK QUICK SETTINGS

To enable or disable the status bar on the top of the screen.

Once "Lock quick settings" is checked, the status bar cannot be swiped down, and Quick Settings Panel, Quick Settings Menu, and Notification Drawer become unreachable.

DOZE MODE

"Doze Mode" is enabled by default.

Please refer to <u>https://developer.android.com/training/monitoring-device-state/doze-standby</u> for details.

PHYSICAL KEYPAD SOUND

To select the physical keypad sound from the drop-down window.

The default setting is "None".

DISABLE SPECIAL KEYEVENT

"Disable Special KeyEvent" is only for RK25 mobile computer to disable the special keycode (which is not defined by Android) sent by pressing Function Key, Alpha Key, and Trigger Keys.

The default setting is off.

CHANGE BLUE KEY INPUT METHOD

"Change Bblue key input method" is only for RK25 mobile computer to change input mode of the physical keypad. By enabling this function, you can cycle through Alpha Numeric Mode, Alpha Lowercase Mode, and Alpha Uppercase Mode with simply pressing Alpha Key (the blue key).

CONVERT UHF EPC TO ASCII

"**Convert UHF EPC to ASCII**" is only for RK25 mobile computer to work with RK25 UHF RFID Reader to convert the EPC code (hexadecimal) to ASCII code under the following conditions:

- All the decoded EPC code (hexadecimal) corresponds to ASCII code must be visible characters. If not, the EPC code would not be converted and remaind as hexadecimal values.
- If the last two values are 00, the 00 will be deleted and then the EPC code is converted to ASCII code, e.g. the decoded EPC code is 3538355959504a5442434900, and it becomes ASCII mode EPC "585YYPJTBCI" after being converted.

3.14.1. ENTERPRISE SETTINGS ON RK95 COLD CHAIN MODEL

Except of "**Physical keypad sound**" and "**Doze Mode**", the followings are the functions only for RK95 Mobile Computer Cold Chain Model to control the heater.

✓ Enable	Z Enable
Heater	Heater
Automatic	Manual
✓ Pre-Heat	LCM Heater
Defrost Sensitivity Medium	□ Window Heater
☑ Scan Window Defrost	
Duration (3)	
LCM Defrost	
Duration (3)	

ENABLE

"**Enable**" is to turn on the heater for monitoring the temperature of the device and the heaters. Please turn on or turn off the heaters depends on the real operating environments.

AUTOMATIC

Click to switch the heater mode between "Automatic" and "Manual".

If the heater mode is set to be "**Automatic**", the heater(s) on device automatically turns on and off to defrost in response to the temperature change.

Setting	Description	
Pre-Heat	Check to enable " Pre-heat " mode to shorten the defrost time.	
	"Defrost Sensitivity" is inflexible to be "High" if "Pre-heat" mode is on while it is configurable when "Pre-heat" mode is off.	
Defrost Sensitivity	Turn off "Pre-heat" mode and then set the sensitivity by selecting from Low , Medium , and High for triggering the heater.	
Scan Window Defrost	Check to automatically turn on and turn off the heater to defrost the scan window.	
Duration	If "Scan Window Defrost" is enabled, you can further set "Duration" which is the time period that the scan window keeps defrosting. The time unit is minute, and the default duration is 3 minutes.	
LCM Defrost	Check to enable the heater to be automatically on and off to defrost the device display.	
Duration	By enabling " LCM Defrost ", " Duration " can be set to specify the time period that the device display keeps defrosting.	
Duration	The time unit is minute, and the default duration is 3 minutes.	

MANUAL

When heater mode is set as "Manual", both "LCM Heater" and "Window Heater" need to be activated respectively.

Note:

The detailed instruction about Enterprise Settings for RK95 mobile computer, please refer to <u>RK95</u> <u>Mobile Computer Cold Chain UI Introduction</u>.

3.15.SIP CONTROLLER

"**SIP Controller**" is a built-in application on device for quickly open or close virtual keyboard by tapping on the floating button.

Setting	Description
Enable	Check "Enable" to make the virtual button of "SIP Controller" to appear on device screen.
Size	Slect the size of SIP Controller virtual button from "Tiny", "Small", "Medium", and "Large".
	The default setting is "Small".
Auto start SIP controller after startupBy checking "Auto start SIP controller after startup", SIP will automatically start up on device boot up.	
Force to display	Invoke the virtual keyboard even without the input field.
Virtual Keyboard 1	Set the keyboard(s) to be invoked by SIP Controller . "Virtual Keyboard 1" and "Virtual Keyboard 2" can be cycled through
Virtual Keyboard 2	by tapping on the SIP Controller virtual button on device.

3.16.CUSTOMIZE

"**Battery Sensor**" is only for RK25 mobile computer to detect whether the battery (which is with the battery cover) is removed.

Settings	
✓ Battery Sensor	

Once you disable "Battery Sensor", battery hot swap becomes unavailable.

3.17.ADVANCED SYSTEM SETTINGS

"Advanced System Settings" is to set how to update the OS Image of your device(s) and to decide whether to back up the settings to prevent the settings to be erased when carrying out factory reset on device.

UPDATE OS IMAGE

To select how to update the OS Image of your device(s).

Setting	Description
Disable	To disable the execution of OS update on the device(s) for "Zip file in SD card" and "Activate System Update (OTA)".
ZIP file in SD card	To browse your PC to find the OS image file to be deployed to the device(s) for upgrade. Remember to check that the .zip file should be "sdupdate.zip" in its file name. This file will saved onto the folder "sdupdate" of your SD card, and please make sure there is enough space on this SD card.
ZIP file from URL	To give the specific URL for the device(s) applied this project to download the OS image for upgrate.
	The device(s) applied this project will download the OS image for upgrate from the designated ftp server.
ZIP file from FTP	Make sure the FTP format you enter is in the correct form as example:
	ftp://[User name]:[Password]@[ServerIP]:[Port][File Location]
Activate System Update	Upon completion of deployment, the device will automatically check the latest OS image available over the Internet.
(OTA)	Please make sure the selected devices are capable of accessing Internet.

MISCELLANEOUS

To check "Backup ADC files to Hidden Partition", the device will erase all the data except of the settings backed up in enterprise partition by ADC upon execution of "Erase all data (factory reset)".

Chapter 4

APPLY CONFIGURATION TO DEVICE

ADC provides 3 ways to apply the configuration to your mobile computers, including conveying the settings to the connected device, creating a download link of the project (from Google Drive or other cloud storage) for the devices to download and apply, and generating settings barcodes to be scanned by the devices. All the above aforesaid methods help you to easily configure all your mobile computers.

IN THIS CHAPTER

4.1 Deploy All Settings to Devices	168
4.2 Compressed File on Google Drive	171
4.3 Apply Your Selected Configurations	175
4.4 Deploy From URL1	180

4.1. DEPLOY ALL SETTINGS TO DEVICES

User can convey the project settings to the device which is connected with your PC where ADC program is installed. Once you finish configurating all the settings of a project, 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 <u>How Do I Enable Debugging Mode on My Device</u>?)
- 2) Check the "**Specify your deployment task(s)**" part to confirm the settings to be deployed to your device.
- 3) Click the "**Deploy b**" button on **Toolbar**.

😤 Project 22			_	
Android Deployment Configur	ator			
2 👛 💾 🔀 🐻 🚔 📕		X		2 💸
Specify your deployment task(s)				
All Device Configuration				
General Options	Application Options	2		
File Transfer	Button Assignment			
Auto Installation	Terminal Emulation			
🗌 🗆 Auto Run	✓ AppLock			
Auto Permission	Software Trigger			
Wireless Manager	Enterprise Settings			
🔽 Wi-Fi Settings	SIP Controller			
Cellular Data				
System Settings	۵			
Reboot after Deployment				

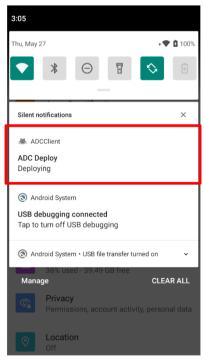
4) Deployment starts, and ADC main screen shows the progress bar about the deployment. You can check the progress from Notification Drawer on your device as well.

Project 22			-	
ndroid Deployment Co	onfigurator			
2 🚔 💾 🛃 🐻	🖹 📄 🕒 🍐 🖄	X		
pecify your deployment task(s)	•			
All Device Configuration				
General Options	Application Options			
File Transfer	🖉 🖉 Button Assignment	^		
Auto Installation	Getting device information			
🗆 Auto Run				
Auto Permission				
Wireless Manager				
Wi-Fi Settings	SIP Controller	_		
Cellular Data				

Progress Notification on the Device

3:04				
Thu, May 27	100%			
	+			
Silent notifications	×			
ADCClient				
V1.3.01, Finish(SUCCESS)				
GetSettingDescription				
Android System				
USB debugging connected				
Tap to turn off USB debugging				
(3) Android System • USB file transfer turned on	~			
Manage CLE	AR ALL			
Privacy	a al data			
Permissions, account activity, person	naruata			
Location				
Off				

Thu, May 27			v 🗣 🗄 1009
	* Θ	8	
Silent notif	ications		×
🛎 adcci	lient		
V1.3.01, I SystemSe	Finish(SUCCESS) ettings		
(Androi	id System		
	u gging connected m off USB debuggi	ng	
Androi	id System • USB file tr	ansfer turned	on 🗸
Cer Androi	0.00	B free	CLEAR ALL
-	8% used - 39.49 G		OLEAR ALL
Manage			



5) After completing the deploying, a notification is shown on your device.

ADCClientV1.3.01, Finish(FAIL)SetSettingAll

4.2. COMPRESSED FILE ON GOOGLE DRIVE

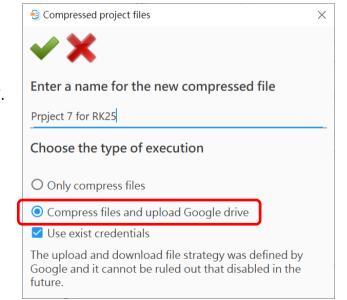
The project settings can be uploaded to your Google Drive for your device((s) to download and apply.

4.2.1. UPLOAD THE COMPRESSED PROJECT FILES TO GOOGLE DRIVE

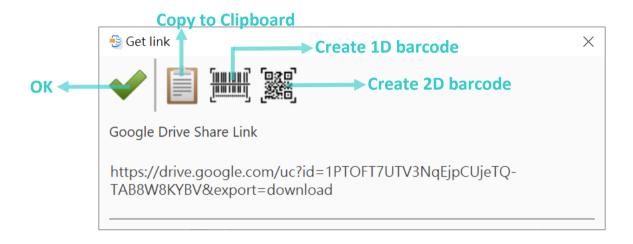
On Main Screen, the **"Compressed project files "** button on **Toolbar** to open **"Compressed project files**" window.

😌 Project 7		– 🗆 X		
Android Deployment Configurator		S Compressed project files ×		
Z 👛 💾 🛃 🐻 🚔 📕		×		
Specify your deployment task(s)		Enter a name for the new compressed file		
General Options	Application Options			
File Transfer	✓ Barcode Reader	Choose the type of execution		
Auto Installation	Button Assignment			
🗹 Auto Run	Terminal Emulation	Only compress files		
☑ Auto Permission	AppLock	O Compress files and upload Google drive		
✓ Wireless Manager	Software Trigger	✓ Use exist credentials		
☑ Wi-Fi Settings	Enterprise Settings	The upload and download file strategy was defined by		
🗹 Cellular Data	SIP Controller	Google and it cannot be ruled out that disabled in the		
System Settings	Z EZConfig	future.		
Reboot after Deployment	EZContrg			

Enter the file name, choose "**Compress files** and upload Google drive", select whether to "Use exist credentials", and click on "OK **V**".

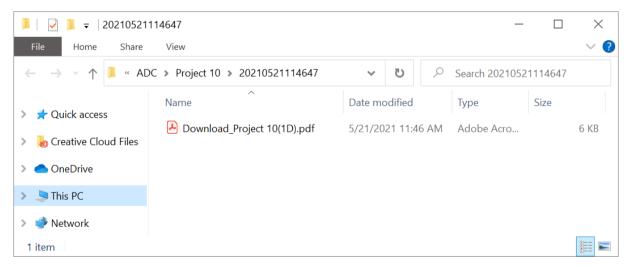


After processing, the "**Get link**" window shows up. Click to select whether to generate the download link to be "**1D barcode** "" or "**2D barcode**".



Note: The Please refer to <u>Compress files and upload Google drive</u> for the specific steps.

The barcode(s) is generated in .pdf file format and saved in the subfolder of this project folder.



4.2.2. SCAN BARCODE(S) TO DOWNLOAD PROJECT FILE FOR APPLY SETTINGS

Open the .pdf file and scanned the barcode(s) by the device(s) to be set. Before you start, make sure your device has Internet connection.

BARCODE TO SETTING

Launch the application "BarcodeToSetting" on the device to be set.

BarcodeToSetting			
Please Scan Barcode			
Number of barcodes :			
Next barcode :			
Number of remaining barcodes :			
Result			
CLEAR DATA			
EXIT			
Ver : 1.0.8.7			
ver : 1.0.0.7			

The items shown on **BarcodeToSetting** main screen are:

Item	Description
Number of barcodesThe total amount of the barcodes to be scanned.	
Next barcodeThe item number of the next barcode to be scanned.	
Number of remaining barcodes	The amount of the remaining barcodes to be scanned.
Result	The setting result will be "PASS" or "FAIL"
CLEAR DATA	Clear the data of the barcode(s) you just scanned.
EXIT	Close and leave the application "BarcodeToSettings".

Aim the scan window at the barcode you just generated and press the trigger to read the barcode.



It takes few seconds for your device to download and apply the configuration after scanning the barcode(s). Configuration is complete with the result shows "**PASS**".

BarcodeToSetting	BarcodeToSetting	BarcodeToSetting				
Please Scan Barcode Number of barcodes : Next barcode :	Please Scan Barcode Number of barcodes : 001 Next barcode : 2	Please Scan Barcode Number of barcodes : 0 Next barcode : 0				
Number of remaining barcodes :	Number of remaining barcodes : 0	Number of remaining barcodes :				
Result CLEAR DATA	Command sending, please wait	Result PASS CLEAR DATA				
EXIT	EXIT	EXIT				
Ver : 1.0.8.7	Ver:1.0.8.7	Ver : 1.0.8.7				

On your device, swipe down from the status bar to reveal Notifications Drawer, and you can find the notification from ADCClient:



4.3. APPLY YOUR SELECTED CONFIGURATIONS

You can export certain configurations from **ADC** to your devices without USB connection.

Please note that if you select those settings with " **URL**", your device(s) to be applied must have Internet connection.

4.3.1. GENERATE THE SETTING BARCODE

To output the selected settings to be barcode(s):

 Open "Configure Device Setting" window, and depending on the barcode type to be generated, click on the button "Create 1D barcode "" or "Create 2D barcode "" on the tool bar.

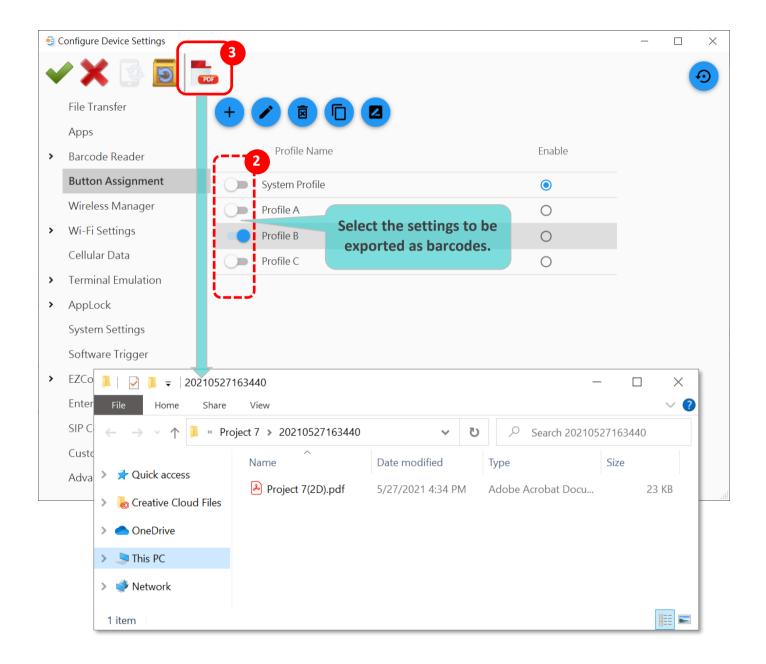
	Configure Device Settings	اً (200) کی کی کے Crea	ate 2D ba	arcode	×
	File Transfer	Drag-and-drop any file here	e, or click on th	e Add File button to select file(s).	
>	Apps Barcode Reader				
	Button Assignment	File	Locati	Destination Path (e.g., Device)	
	Wireless Manager			(CL Sattings (Farminal Emulation	
>	Wi-Fi Settings	TE_settings.json	Internal	/CL_Settings/TerminalEmulation	
	Cellular Data	AutoImport_AppLock.json	Internal		
>	Terminal Emulation	ReaderSettings.json	Internal	/CL_Settings/ReaderConfig	
>	AppLock			,	
	System Settings	EZConfigSetting.json	Internal	/CL_Settings/EZConfig	
	Software Trigger				
>	EZConfig				
	Enterprise Settings				
	SIP Controller				
	Customize				
	Advanced System Settings				.11

Create 1D barcode

2) Go through every tab page to switch on the settings to be exported. You can export all your demand settings available for generating barcodes at one time.

Please note that the settings are still configurable in this step.

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

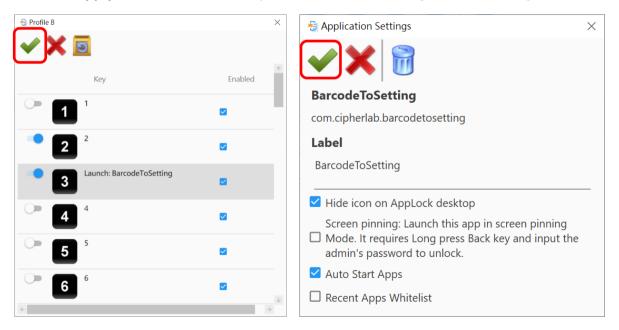


CONFIGURE THE SETTINGS TO BE EXPORTED

After **"Create 1D barcode** "" or **"Create 2D barcode** "" is clicked, you can select the exported settings by switch, and during this process, all the settings can be configured.

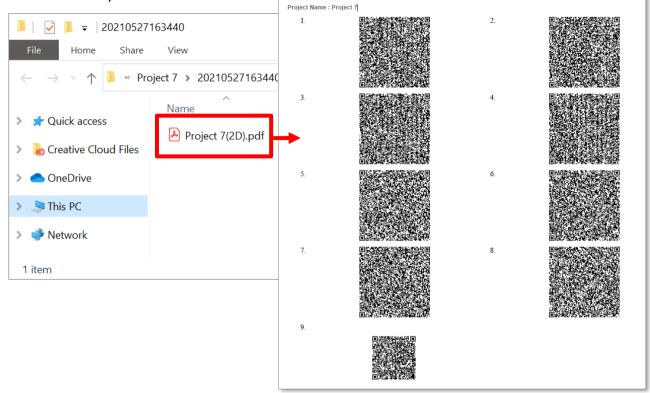
-80	Configure Device Settings				-	×
•	/ 🗙 🕓 🗾 ե	3				Ð
	File Transfer	+				
	Apps					
>	Barcode Reader		Profile Name	Enable		
	Button Assignment		System Profile	۲		
	Wireless Manager		Profile A	0		
>	Wi-Fi Settings		Profile B	0		
	Cellular Data		Profile C	0		
>	Terminal Emulation					
>	AppLock					
	System Settings					
	Software Trigger					
>	EZConfig					
	Enterprise Settings					
	SIP Controller					
	Customize					
	Advanced System Settings					

For those settings which invoke the windows for more detailed configurations, make sure to click on "Apply \checkmark " button to save your selection and change before closing the window.



4.3.2. APPLY THE SETTINGS BY BARCODE TO SETTING

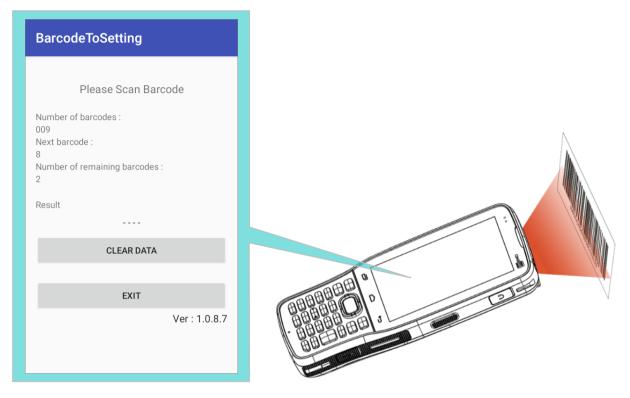
Open the .pdf file which contains the barcode(s) you generated, and printed the barcode(s) out if necessary.



Launch the application $``BarcodeToSetting'' \ on the device.$

BarcodeToSetting	ltem	Description
Please Scan Barcode	Number of barcodes	The total amount of the barcodes to be scanned.
Number of barcodes : Next barcode :	Next barcode	The item number of the next barcode to be scanned.
Number of remaining barcodes : Result	Number of remaining barcodes	The amount of the remaining barcodes to be scanned.
CLEAR DATA	Result	The setting result will be " PASS " or " FAIL "
EXIT Ver : 1.0.8.7	CLEAR DATA	Clear the data of the barcode(s) you just scanned.
	EXIT	Close and leave the application "BarcodeToSettings".

Aim the device scan window at the barcodes, and press the trigger to sequentially scan to apply the configurations.



As the result on **BarcodeToSetting** shows "**PASS**", it indicates that the configurations of your devices is complete.

BarcodeToSetting	BarcodeToSetting
Please Scan Barcode	Please Scan Barcode
Number of barcodes : 009 Next barcode : 9 Number of remaining barcodes : Command sending, please wait	Number of barcodes : 0 Next barcode : 0 Number of remaining barcodes :
wat	PASS
CLEAR DATA	CLEAR DATA
EXIT	EXIT
Ver : 1.0.8.7	Ver : 1.0.8.7

4.4. DEPLOY FROM URL

To apply your project settings to the device by downloading the project .zip file from the cloud storage other than Google Drive, you can generate the setting barcode by "**Deploy From URL**".

4.4.1. CREATE ADC ZIP FILE

"**Deploy From URL**" is to deploy the ADC Project Settings to the devices by downloading the .zip file of the project from your cloud storage. Hence, you have to save your ADC project as a zip file in advance.

To create ADC zip file, you may:

COMPRESS PROJECT FILES

Load the project you'd like to deploy, and click on **"Compressed project files** main screen toolbar to save the current project to be a .zip file.

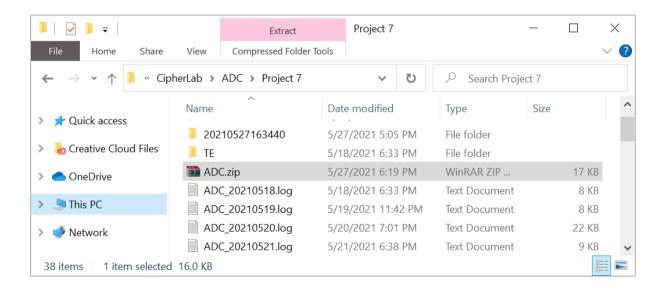


😌 Project 7			-		×
Android Deployment Configurator					
2 👛 💾 🛃 🐻 🚞		100		?	Ż
Specify your deployment task(s)		_			
All Device Configuration	😌 Compressed project files	×			
General Options	× ×				
File Transfer					
Auto Installation Enter a name for the new compressed file					
Auto Run					
Auto Permission		-1			
U Wireless Manager	Choose the type of execution				
🗹 Wi-Fi Settings					
Cellular Data	 Only compress files 				
System Settings	O Compress files and upload Google drive				
Reboot after Deployment	☑ Use exist credentials				
	The upload and download file strategy was defined by Google and it cannot be ruled out that disabled in the future.				

Enter the file name, choose "Only compress files", and click on "OK 💙".

	😼 Compressed project fil	es	\times			
3	×					
	Enter a name for th	e new compressed file				
1	ADC					
	Choose the type of	execution				
2	Only compress file	5				
	O Compress files and upload Google drive					
	Use exist credentials					
		load file strategy was defined by be ruled out that disabled in the				

The current project will be saved as a .zip file to the folder of this project on your PC.



SAVE CURRENT PROJECT TO SD CARD

SD card or the USB disk is required for saving the project settings exported from ADC.

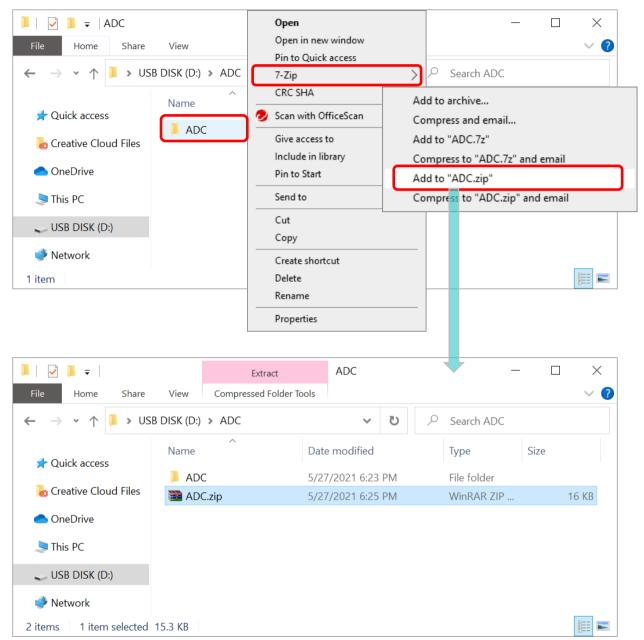
Click on **Save current project to SD card** on ADC main screen toolbar, and select the drive (SD card or USB disk) you would like to save this project.

😌 Project 7				- 🗆	×
Android Deployment Config	jurator				
2 👛 💾 🛃 🔓 .	📕 🕨 📥 🖄		<u>N</u> 🔒 [<u>;</u>	2
Specify your deployment task(s)					
All Device Configuration					
General Options	Select USB Disk	×			
File Transfer		·			
Auto Installation					
Auto Run	Please select a drive:				
Auto Permission	Please select a unive.				
 Wireless Manager Wi-Fi Settings 					
Cellular Data	D:\				
System Settings				(
Reboot after Deployment					

The current project will be saved as a folder with the name "**ADC**" onto the SD card or USB disk.

📕 🛃 📮 ADC				_	×
File Home Share	View				~ ?
$\leftarrow \rightarrow \checkmark \uparrow $	SB DISK (D:) » ADC	v ت	,○ Search ADC		
📌 Quick access	Name	Date modified	Туре	Size	
Creative Cloud Files	ADC	5/27/2021 6:23 PM	File folder		
📥 OneDrive					
USB DISK (D:)					
🗳 Network					
1 item					

Right-click on this ADC folder, and select the function from the menu to compress the folder in zip.



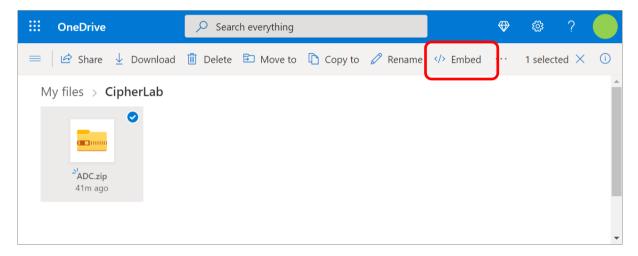
4.4.2. CREATE THE URL

Upload the ADC project zip file to your cloud storage and then create a link for "**Deploy From URL**".

The followings take **OneDrive** and **Dropbox** for examples:

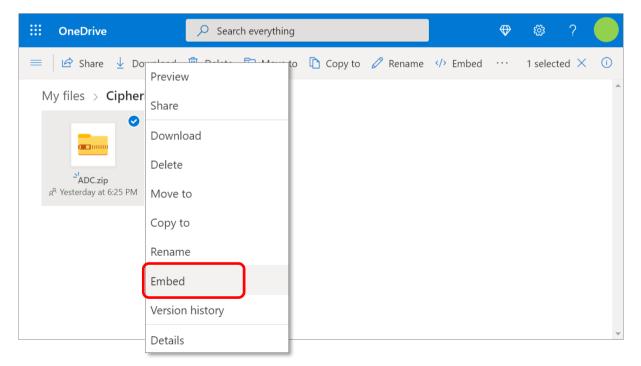
ONEDRIVE

 In your OneDrive folder where the zip file located, click to select the file "ADC.zip" and then click on "Embed".

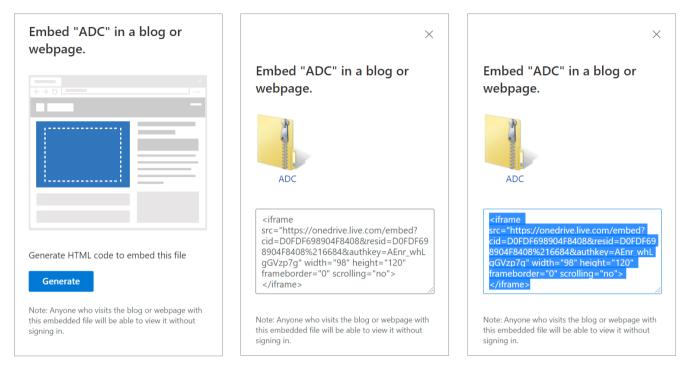


OR

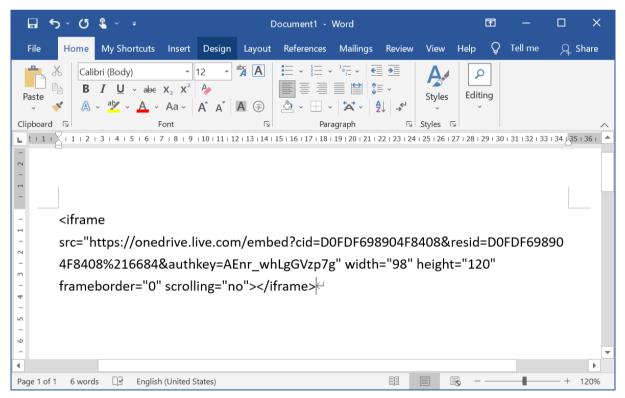
Right-click on this zip file to open a menu and then select "Embed".



2) Click on "Generate" to get a code.



 Copy and paste the code displayed on OneDrive into any file or field where you can edit it.



4) Extract the address from the code.

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5) Replace the word "embed" with "download", and save this URL for "Deploy From URL".

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DROPBOX

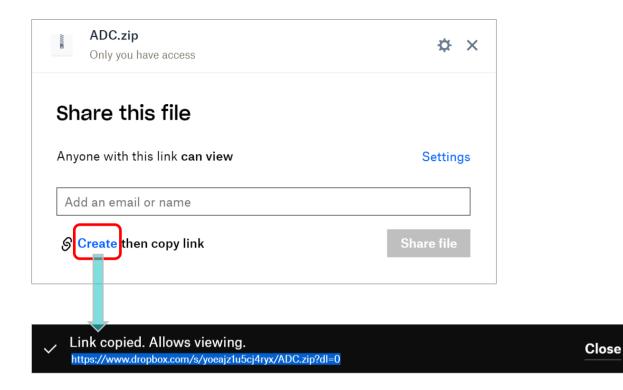
1) Upload the file "ADC.zip" you onto your Dropbox.

÷	Q 🕒 Search	?	₩Д		
•	Dropbox > Cipher	rLab			
Home	Overview			Hid	е
> All files	Click here to describe this fo	older and turn it into a Space	Show	examples	
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Shared	✓ Name ↑	Мо	dified		
	🔽 📕 ADC.zip	🔂 Jus	t now		
File requests					
Deleted files					
Privacy and legal	✓ Uploaded ADC.zip		V	/iew details	Close

2) Click on the more button next to "ADC.zip" to open the menu, and select "Share".

**	Q 🖿 Search	<u> ?</u> Ш Д	-	
•	Dropbox > CipherLab			🖸 Open 🔸
Home	Overview	Hide	e l	🚹 Share
			-	🖇 Copy link
> All files	Click here to describe this folder and turn i	it into a Space Show examples		Я Transfer
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Starred	Upload V Share Create V	Follow •••	≣ ~	↔ Move
Shared	Name ↑	Modified	More	🔲 Сору
	ADC.zip	☆ Today, 12:54 AM 🚹 🐰	3	🖉 Rename
File requests				🖞 Delete
Deleted files				🗊 Add comment
Privacy and legal				🛠 Pin to
				🔂 Star
				 Version history

3) Click on "Create then copy link" on the popup window.

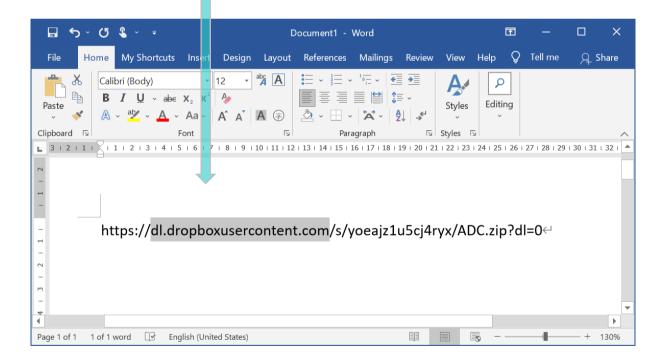


4) Paste the link you just copied into a text editor.

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File Ho	ome My Shortcuts	Insert	Design	Layout	References	Mailings	Review	View	Help	Q	Tell me	<u> 2</u>	Share
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	https://www	w.drop	box.c	om/s/y	/oeajz1u!	5cj4ryx	/ADC.z	zip?dl=	=0←				T
↓ ↓ Page 1 of 1 1	1 word 🔤 Englis	h (United !	States)						- Ø		-	+	► 130%

5) Replace "www.dropbox.com" with "dl.dropboxusercontent.com", and save this URL for "Deploy From URL".

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4.4.3. GENERATE 2D BARCODE FOR DEPLOY WITH BARCODE

1) Click on **Customize Android Setup Wizard** *i* on ADC main screen toolbar.

😌 Project 7	-								
Android Deployment Configurator									
2 👛 💾 🛛 👩 📄	📓 🕟 🚔 🞽 🕺 🐷 🔮) 💸							
Specify your deployment task(s)									
All Device Configuration	😤 Customize Android Setup Wizard — 🗆 🗙								
General Options									
Auto Installation	Features								
 Auto Run Auto Permission Wireless Manager Wi-Fi Settings Cellular Data System Settings 	 Skip Setup Wizard Wi-Fi Deploy From URL 								
Reboot after Deployment									

2) In "Customize Android Setup Wizard" window, tick the checkbox of Wi-Fi and set up the Wi-Fi connection. Then enter the URL of the .zip file on your cloud storage to the field of "Deploy From URL".

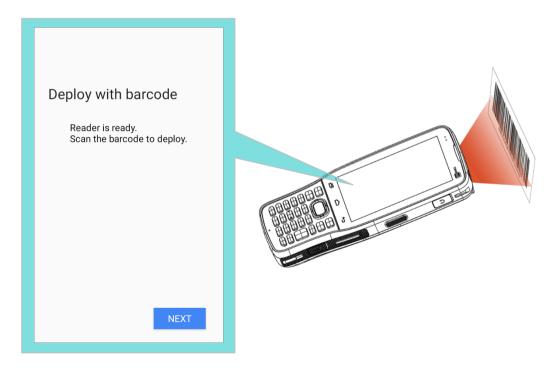
髢 Customize Android Setup V	Vizard	_		\times
Features				
🗹 Skip Setup Wizard				
🗹 Wi-Fi	Lab-Guest		- /	
Deploy From URL	https://dl.dropboxusercc	ontent.co	om/s/yoe	eajz1

3) Generate the setting barcode by "Create 2D barcode ". The barcode will be saved in PDF file format in the current project folder.

😼 Customize Android Setup Wizard	- 🗆	×				
Featur 1 202105280	242044					×
Featur Fle Home Share SI	View					~ ?
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> ConeDrive						
> 💄 This PC						
> 🔮 Network						
1 item						

4) Open this .pdf file and print it out if necessary.

Boot up the device(s) to run setup wizard, and press the trigger to scan the 2D barcode in the step of "**Deploy with barcode**". The device will download and apply the ADC project settings automatically.



Chapter 5

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

5.1 Create Your Own Language File	194
5.2 Edit Your Own Language File	

5.1. CREATE YOUR OWN LANGUAGE FILE

To create your own language file:

1)	Click on "Prefe	erences 🔯 " on ADC main screen t	oolbar	to open " Preference " window.
		Services	×	
	Save	Cancel		
		Choose a display language		
		English	Englis	h
	Add 🗲	+ 🖉 🖻	Japan	ese
		Project location	Chine	se (Traditional)
		C:\CipherLab\ADC	Q	
		Save log file by project	۲	↓ The ADC default system
		✓ Show dialog at Startup	la	nguage cannot be edited.
		☑ Observe USB Plug in/out		
		Show Snackbar		
		Snackbar messages timeout		
		15 sec		

The buttons for editing display language(s) are:

Add

Add a new display language.



Edit the selected display language (system languages are excluded).



Delete the selected display language (system languages are excluded).

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

😼 Edit Language		×			
VX 21 ZI	Quick Search				
↑ English	Edit into your language				
Up	Up	\uparrow			
Unsupported model	Unsupported model	-			
Unrecognized device	Unrecognized device				
Unknown Sources	Unknown Sources				
Unknown error Unknown error					
United Kingdom	United Kingdom				
😼 Edit Language			\times		
Un ✔ 🗙 🛃	Quick Search				
Un ↑ English	Edit into your language				
Un Up	Up		\uparrow		
Un Unsupported model	Unsupported model				
Eng Unrecognized device	Unrecognized device				
Unknown Sources	Unknown Sources				
Unknown error	未知错误				
Unknown error					
未知错误	_{未知错误} →→→►Edit the text of your own language here				
United Kingdom	United Kingdom				
			\downarrow		
English					

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

🖌 🗙 🛃 🛴 🧕 error	Quick Search
English	Edit into your language
Unknown error	Unknown error
The operating system denies access because of an I/	The operating system denies access because of an I/
OS image file does not exist or file format error.	OS image file does not exist or file format error.
Error occurred in "{0}"	Error occurred in "{0}"
Error Message Relocation	Error Message Relocation
Error Message	Error Message
Error Feedback	Error Feedback
Error Alarm	Error Alarm
Display Error in ROW	Display Error in ROW

5) 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.

🚭 Edit Language			×
🖌 🗶 🛃 🚺 🗉 🛛	Quick Search		
↑ English	Edit into your language		
ZIP file in SD card	ZIP file in SD card		1
ZIP file from URL	ZIP file from URL		
ZIP file from FTP	710 file from FTD		
Zimbabwe	Chinese	1	
Zambia	Chinese (Simplified)		
You have not saved the project "{0}", d	Chinese (Simplified) Legacy		
You are running out of disk space on d			
Yes	Chinese (Traditional)		
Yemen	Chinese (Traditional) Legacy		
Yellow	Church Slavic		
x-windows-950, Windows Traditional (\downarrow
English	Colognian	\downarrow	

The toolbar buttons in "Edit Language" window are as below:

Setting	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.
A 8	Ascending:
2+	To display the default wording (English) in alphabetical order from A to Z.
7.4	Descending:
Â	To display the default wording (English) in alphabetical order from Z to A.
	Reset:
5	Reset all the language editing changes to default.

5.2. EDIT YOUR OWN LANGUAGE FILE

You can edit and delete a customized language file.

- 1) Click on "**Preferences** " on Toolbar.
- Choose the language tag. Click on "Delete" to remove it or click on "Edit" to modify its content.

	Service Preferences	×
Save 🔸	Cancel	
	Choose a display language	
	Chinese (Simplified)	English
	+	Japanese
	Project location	Chinese (Simplified)
	C:\CipherLab\ADC	Chinese (Traditional)
	Save log file by project	V
	✓ Show dialog at Startup	
	☑ Observe USB Plug in/out	
	✓ Show Snackbar	
	Snackbar messages timeout	
	15 sec	

+ Add

Add a new display language.

Edit

Edit the selected display language (system languages are excluded).

Delete

Delete the selected display language (system languages are excluded).

Save

Save the settings and close the "Preference" window.

Cancel

Directly close the "Preference" window without saving any change



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