CipherLab

Reference Manual

AppLock

For Android™ 6.0

RS30
RS31
9700A
RS50

Version 1.00

Copyright © 2017 CIPHERLAB CO., LTD.
All rights reserved

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

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

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

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

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

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

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

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

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

RELEASE NOTES

Version	Date	Notes
1.00	Apr 27, 2017	Initial release

CONTENTS

RELEASE NOTES 3
INTRODUCTION 5
Features 6
SETUP 7
1.1 Launch AppLock 8
1.2 Use AppLock for the 1st Time 11
USE APPLOCK 12
2.1 Access Levels 13
2.2 Menu 14
2.2.1 Open Menu 14
2.3 Toolbar (Administrator Only) 15
2.4 Working Views 16
2.4.1 Allowed Apps View 16
2.4.2 Auto Start APPS View (Administrator Only) 16
2.5 Admin Mode (Administrator Only) 17
2.6 Applications Management (Administrator Only) 18
2.6.1 Allowed Apps View 18
2.6.2 Auto Start APPs View 24
2.6.3 Recent Apps Whitelist 26
2.7 Manage System Settings (Administrator Only) 27
2.8 Options (Administrator Only) 30
2.9 Other Functions (Administrator Only) 35
2.9.1 Launch System Settings 35
2.9.2 Reset to Default 35
2.9.3 Clear Recent Apps 35
2.9.4 About 35
2.9.5 Exit 35

INTRODUCTION

Developed for Android™ 6.0, Marshmallow, **AppLock** controls the interface provided to users. It dominates over the O.S. and limits the system resources made available to users. Properly tuned, AppLock gives way to ordinary working applications while locking out those that are not so productive.

If you have a collection of mobile computers, you can apply a uniform user environment to the entire group without the need of great time and effort. This can be done easily by reduplicating a copy of master settings to your entire set of mobile computers.

This manual covers usage of AppLock. We recommend that you read this document thoroughly before starting, and keep a copy of this manual at hand for quick reference.

FEATURES

- Supports CipherLab Android™ 6.0, Marshmallow mobile computers
- Full control over system services
- Limits the accesses to crucial system settings
- Locks out unproductive applications
- Auto-launched productive applications upon system startup
- Superuser mode for administration of operating system
- Supports importing and exporting settings to configuration files

Chapter 1

SETUP

This chapter guides to the launch of AppLock.

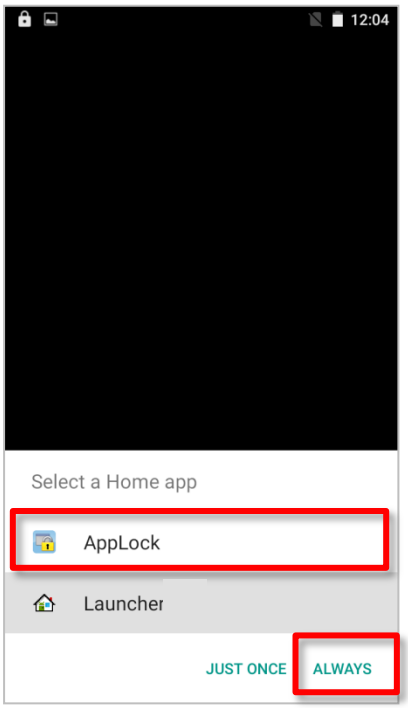
This chapter also covers the 1st launch of the application.

IN THIS CHAPTER

1.1 Launch AppLock 8
1.2 Use AppLock for the 1st Time 11

1.1 LAUNCH APPLOCK

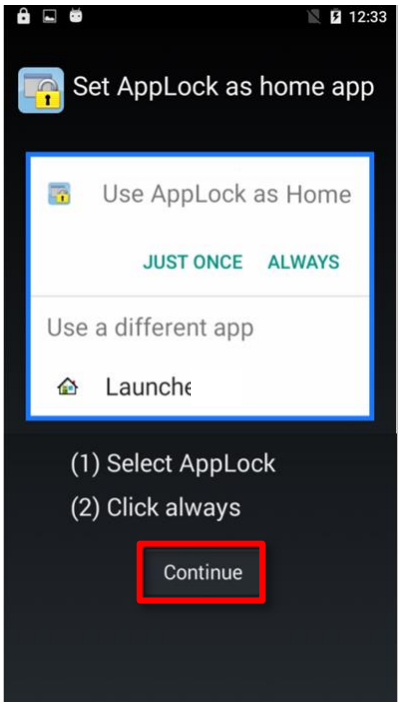
APPLock is already installed and will be automatically executed when you turn on the device. After the flash screen, you will be prompted to select a Home app. By selecting APPLock mode, you will enter launch AppLock program.



To launch AppLock from normal operation mode:

1) Tap on **All Apps** button on **Home** screen, and then tap on **AppLock** icon .
2) AppLock opens showing the following screen. Tap on "**Continue"**.

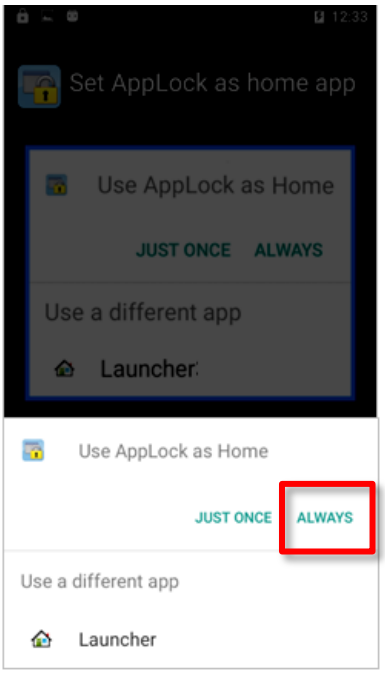
   See Set AppLock as Home App for details.



SET APPLOCK AS HOME APP

You may decide whether to set AppLock as the home application. If AppLock is set as the home application, when the Home button is pressed, AppLock's **Allowed Apps** view will show on the screen.

1) The first time AppLock launches, the following notification screen shows. Tap **Continue** to proceed. In the pop-up window, select **AppLock**.
2) To set AppLock as the home application in further operations, tap on "**Always**".



3) AppLock opens showing the user level main screen.



Note: **Just once** will be allowed only when the firmware has just been flashed.

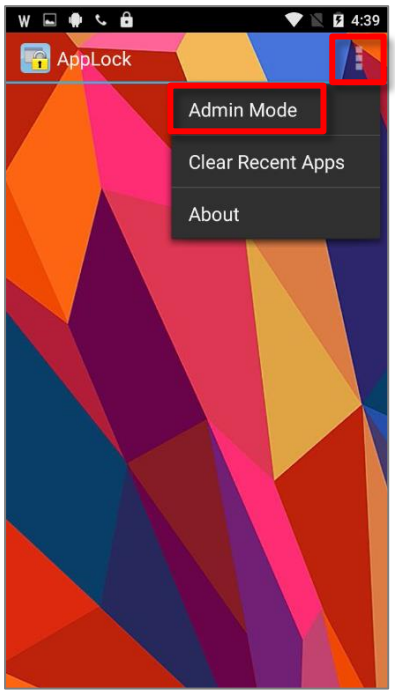
1.2 USE APPLOCK FOR THE 1ST TIME

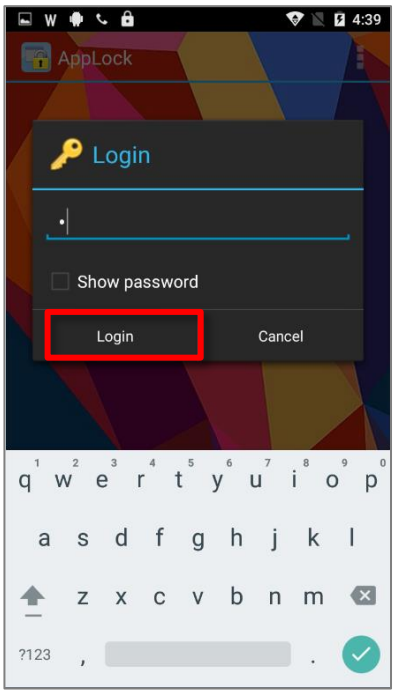
AppLock adopts user levels that set limits to AppLock's advanced functions. See Access Levels for more details.

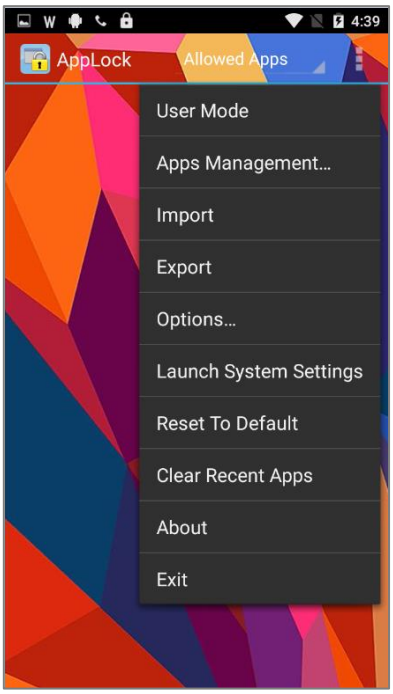
When launched for the 1st time, AppLock doesn't require password for administrator mode (the superior access level). The full functionality is open to everyone who operates it as long as you log in to AppLock.

Log in to AppLock to set up an administrative control:

1) Launch the application as described in Launch AppLock.
2) Tap the menu button ⋮ in the top right corner to open the drop-down menu.
3) Tap on "**Admin Mode**".
4) On Login window, click on "**Login**" without entering a password. By default, you can login without entering a password; please do remember to set a new password for administrator in Security.
5) You will be logged in as an administrator. Tap the menu button ⋮ in the top right corner, and the administrator level toolbar becomes available. See Security for details on setting up login password.







Chapter 2

USE APPLOCK

This chapter will walk you through the application's menu, toolbar and main working views. A few sections are also included herein to describe the access levels applied. Also discussed are the preference settings that control how AppLock acts each time it is used. Cloning application settings to a group of mobile computers is also mentioned.

IN THIS CHAPTER

2.1 Access Levels 13
2.2 Menu 14
2.3 Toolbar (Administrator Only) 15
2.4 Working Views 16
2.5 Admin Mode (Administrator Only) 17
2.6 Applications Management (Administrator Only) 18
2.7 Manage System Settings (Administrator Only) 27
2.8 Options (Administrator Only) 30
2.9 Other Functions (Administrator Only) 35

2.1 ACCESS LEVELS

AppLock's offers two access levels for usage:

- **User**
  An ordinary user that uses the operating system for their day-to-day tasks. Users are generally warded off from some system settings and relatively unproductive applications.
- **Administrator**
  A super user mode with administrative privileges over the operating system. An administrator (most of all) doesn't use the operating system for daily tasks but manages it and prepares it for other users. The administrator is able to tailor which applications and which system settings are available to users.

These two access levels are implemented through menu completeness, which relies on switching between **User** Mode and **Admin** Mode, as detailed in the following section.

2.2 MENU

Same as most software products, AppLock features a command menu to receive instructions and thus take actions.

2.2.1 OPEN MENU

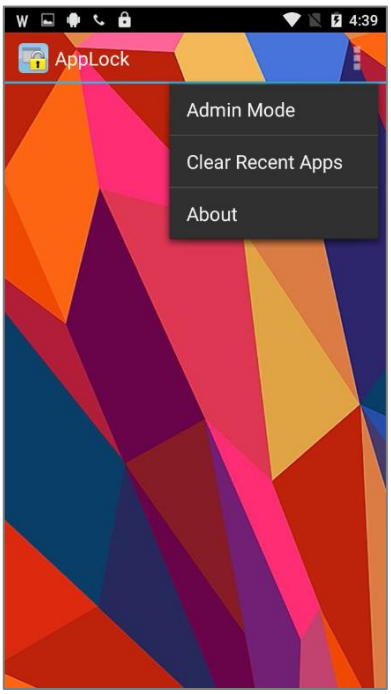
To open the AppLock menu:

1) Launch the application as described in Launch AppLock.
2) Tap the menu button . The settings menu opens reflecting the current access level.

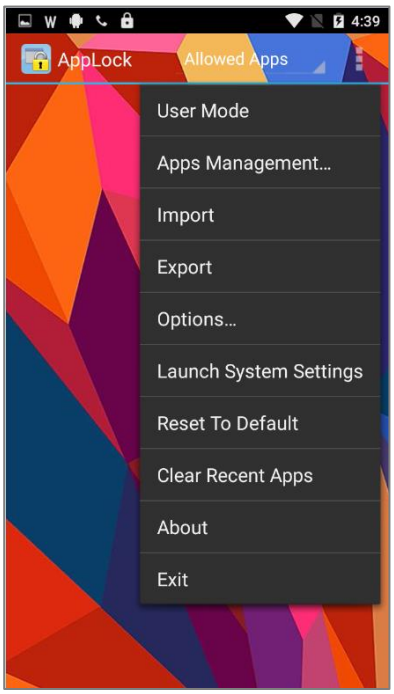
- **User level**: Before logging in to AppLock, AppLock provides users with a pared-down menu. Users can only access the applications on the **Allowed Apps** view, erase the record of recently used applications, or view version information.

- **Administrator level**: After logging in to AppLock, AppLock provides the administrator with a completely functional menu plus a toolbar. The administrator thus has full access and full control of AppLock's services.

User Level Menu

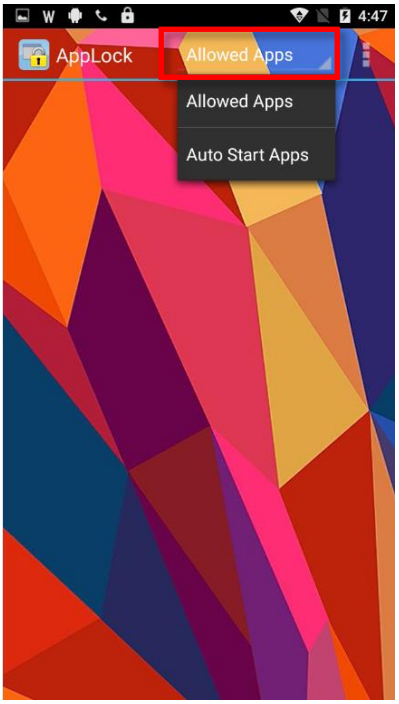


Administrator Level Menu



2.3 TOOLBAR (ADMINISTRATOR ONLY)

If you are logged in as an administrator, AppLock also features a toolbar at the top to switch working views and access full functions in the settings menu.



Icons	Description
	Tap to switch the working view between **Allowed Apps** and **Auto Start Apps**.
	Opens the Menu so instructions can be given to AppLock to invoke actions.

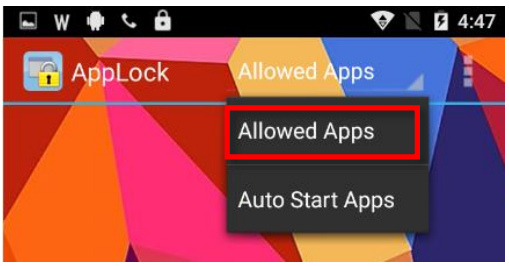
2.4 WORKING VIEWS

AppLock relies on **Allowed Apps** view and **Auto Start Apps** view to deliver its key performance. **Allowed Apps** view lists applications available for usage. This page is accessible for both users and the administrator, but only the administrator is able to edit its settings. **Auto Start Apps** view is only viewable and editable by the administrator.

2.4.1 ALLOWED APPS VIEW

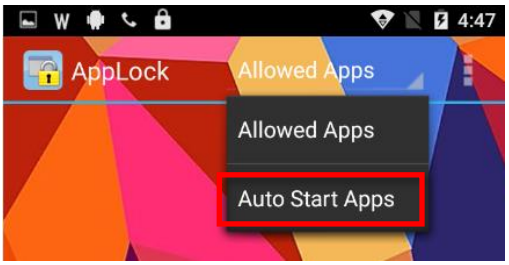
Allowed Apps view delivers available applications to users. Administrators may add or remove applications and shortcuts to this working view, or restore it to default state.

Allowed Apps view is the default screen for users. If you are an administrator, you may tap the working view button on the toolbar to switch between **Allowed Apps** view and **Auto Start Apps** view.



2.4.2 AUTO START APPS VIEW (ADMINISTRATOR ONLY)

Auto Start Apps view is available to the administrator only. It delivers the applications and system settings set to automatically open the next time AppLock is launched.



After applications or system settings are added to this page, the next time AppLock is launched on the mobile computer, the desired applications and/or settings will open. When the specified application(s) or settings(s) are closed, the mobile computer will then proceed to show AppLock on its screen.

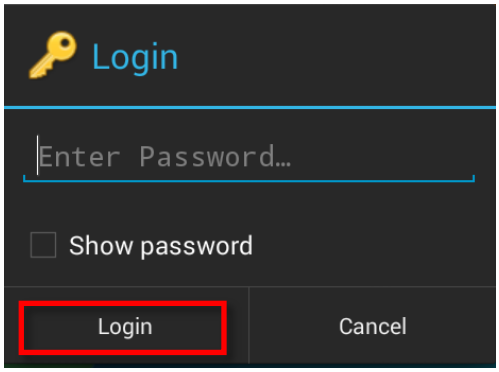
2.5 ADMIN MODE (ADMINISTRATOR ONLY)

Log in to AppLock for administration over the operating system to manage and prepare system services for the user. An administrator is able to determine which applications and system settings are accessible to the user.

ADMIN MODE

To login to Admin Mode:

1) Tap menu icon on the toolbar.
2) Tap on "**Admin Mode"**.
3) Enter the login password and tap on "**Login"** to confirm.



Upon logging in, the menu and toolbar become fully available for use.

To set up a password, see Security for details.

Or just tap **Login** to enter the **Admin Mode** without entering password.

USER MODE

To logout from Admin Mode and enter User Mode:

1) Tap menu icon on the toolbar.
2) Tap on "**User Mode"**.

The access level will return to user level, and the menu and toolbar will deliver only restricted functions.

Note: When you logout from Admin mode and enter User Mode, based on the current Recent Apps Whitelist, AppLock will automatically Clear Recent Apps.

For more information, see Recent Apps Whitelist and Clear Recent Apps.

2.6 APPLICATIONS MANAGEMENT (ADMINISTRATOR ONLY)

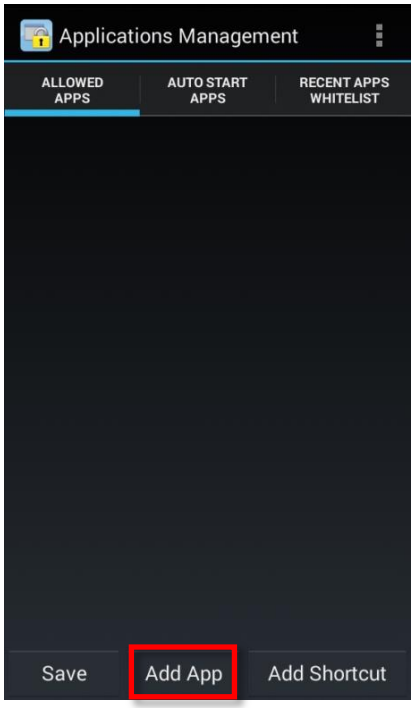
Administrators are allowed to edit the applications shown on **Allowed Apps** view, **Auto Start Apps** view and **Recent Apps Whitelist**.

2.6.1 ALLOWED APPS VIEW

ADD APPLICATION

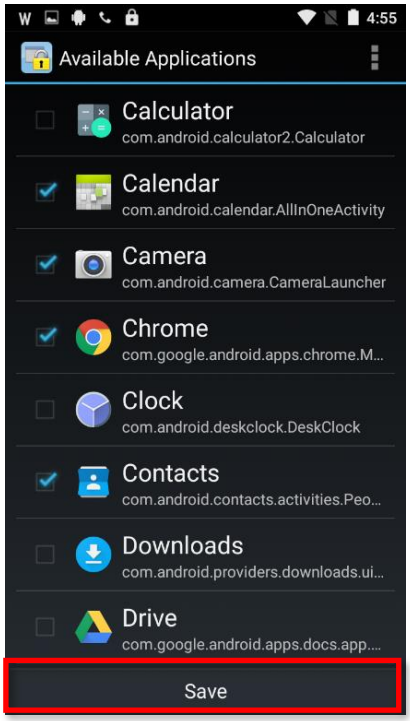
To add an application to **Allowed Apps** view:

1) Tap menu button on the toolbar.
2) Tap "**Apps Management....**" to enter Applications Management screen.

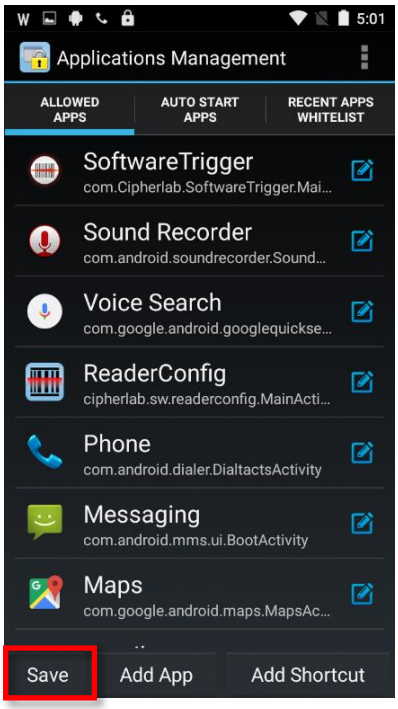


3) Tap on "Add **App**". The screen shows a list of applications available on the device.

4) Select the applications you would like to make available on the **Allowed Apps** view.



5) Tap on "**Save"**. The **Allowed Apps** screen shows the applications (and shortcuts) you assigned to the **Allowed Apps** view.

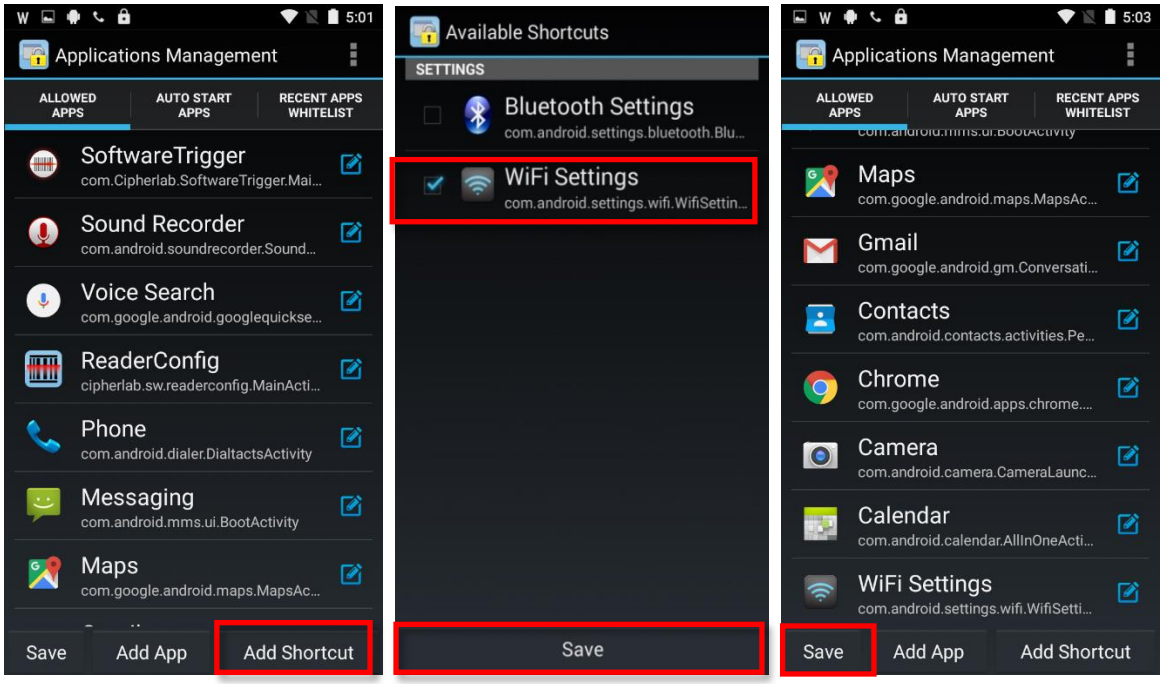


6) Tap on "**Save"** to save the settings made to the working view.

ADD SHORTCUT

To add a shortcut to **Allowed Apps** view:

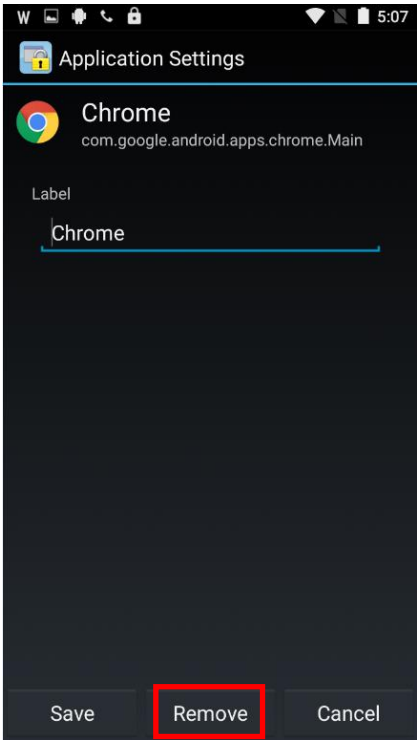
1) Tap menu button ⋮ on the toolbar.
2) Tap on "**Apps Management....**" to open **Allowed Apps** screen.
3) Tap on "**Add Shortcut**" in the bottom right corner. The screen shows shortcuts for Wi-Fi and Bluetooth settings.
4) Select the shortcut you would like to make available on the **Allowed Apps** view, and tap on "**Save**".
5) The **Allowed Apps** screen shows the shortcuts (and applications) you assigned to **Allowed Apps** view. Tap on "**Save**" to save the settings.



DELETE APPLICATIONS OR SHORTCUTS

To delete an application or shortcut:

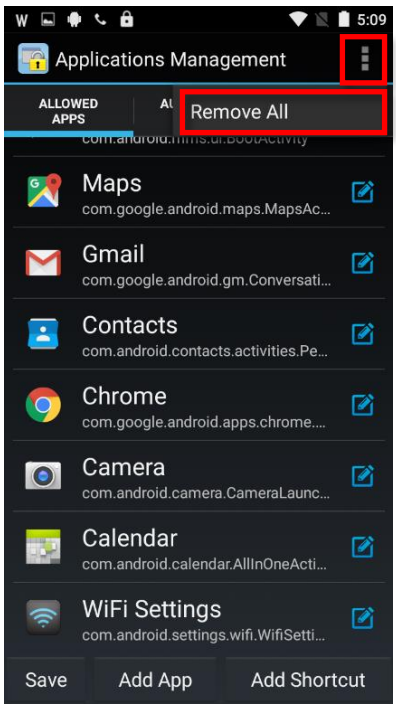
1) In the **Allowed Apps** screen, tap the application or shortcut to edit.
2) Tap on "**Remove"** in the bottom.



CLEAR ALL APPLICATIONS AND SHORTCUTS

You may clear all applications and shortcuts made available to the **Allowed Apps** view.

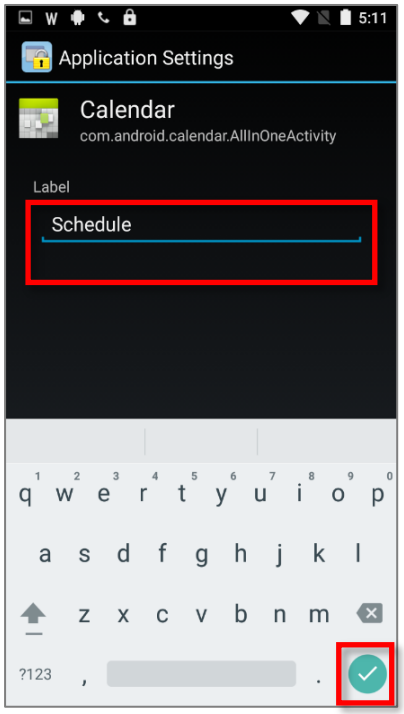
1) In the **Applications Management** screen, tap on "**Allowed Apps"**.
2) Tap the menu button ⋮ on the toolbar.
3) Tap on "**Remove All"** in the drop-down menu. The applications and shortcuts on the **Allowed Apps** view will be cleared.

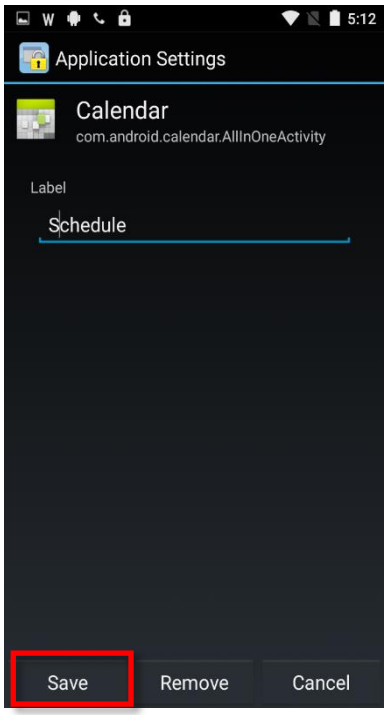


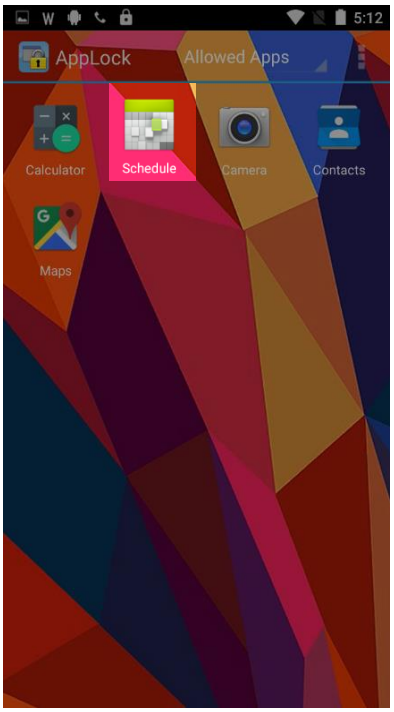
RENAME APPLICATIONS OR SHORTCUTS

To rename an application or shortcut:

1) In the **Applications Management** screen, tap on "**Allowed Apps"**.
2) Tap an Application you would like to rename.
3) Edit its new name in the blank under *Label*, and confirm the word you enter.
4) Tap on "**Save**" to save the name.
5) The new name will show on the **Allowed Apps** view, tap on "**Save**" to save this setting.





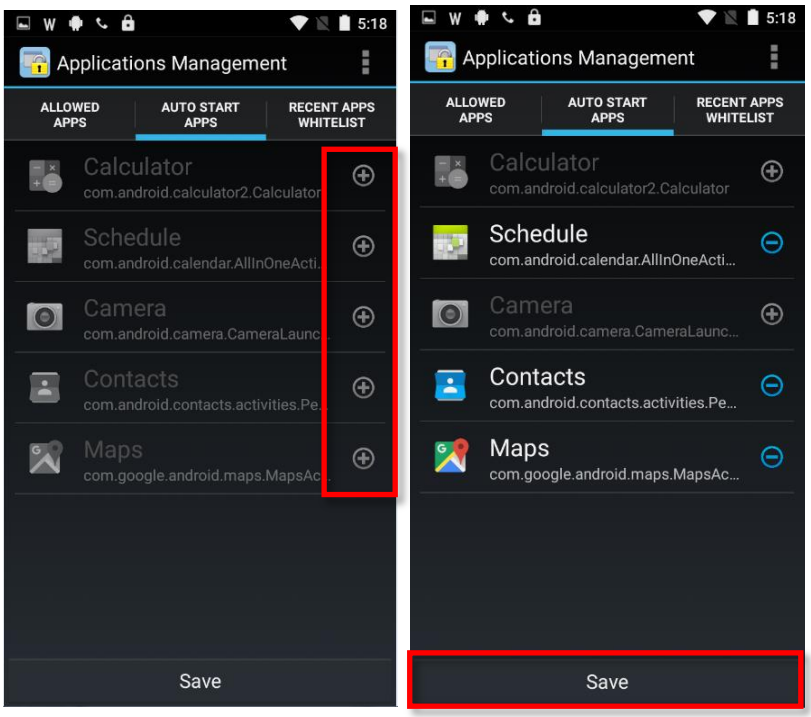


2.6.2 AUTO START APPS VIEW

SET APPLICATION AS AUTO START APPS

To set an application to auto start once AppLock launches:

1) In the **Applications Management** screen, tap **Auto Start Apps**.
2) Tap  on the right of the application to add it to **Auto Start Apps**.
3) The application will be added to the **Auto Start Apps** view.
4) Tap **Save** to save the setting.



Note: You may add more than one application to the **Auto Start Apps** view.

REMOVE APPLICATION

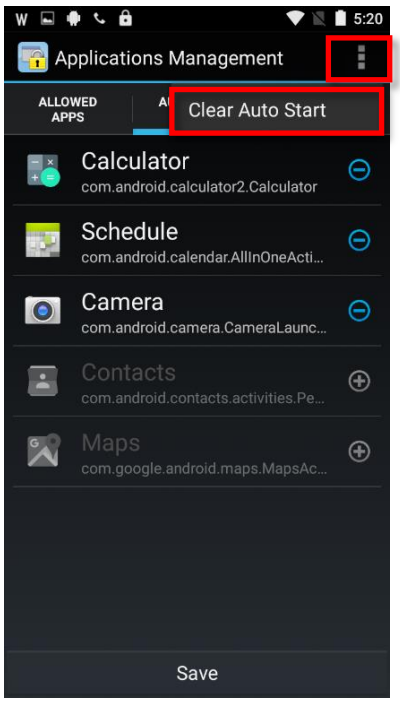
To cancel auto start of the application:

1) On **Auto Start Apps** view, tap on  on the right of the application.
2) Tap on "**Save"**.

CLEAR ALL APPLICATIONS

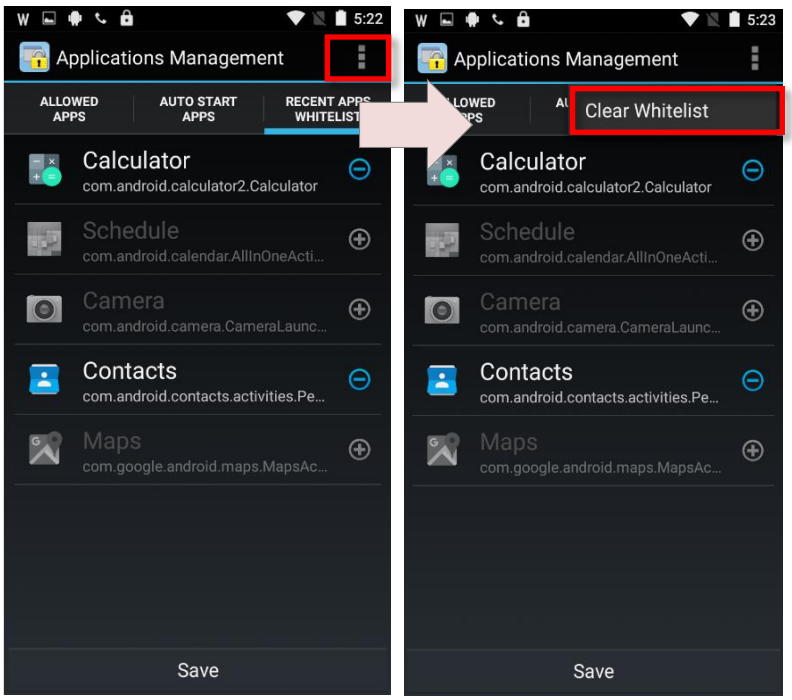
You may clear all applications made available to the **Auto Start Apps** view.

1) In the **Applications Management** screen, tap on "**Auto Start Apps"**.
2) Tap the menu button ⋮ on the toolbar.
3) Tap on "**Clear Auto Start"** in the drop-down menu. The applications on the **Auto Start Apps** view will be cleared.



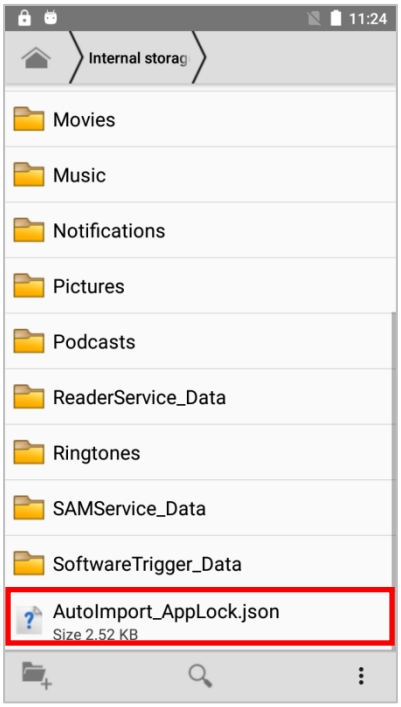
2.6.3 RECENT APPS WHITELIST

1) In the **Applications Management** screen, tap **Recent Apps Whitelist** to select the applications to retain in the recent apps list.
2) Tap menu button ⋮ on the toolbar and tap on "**Clear Whitelist**".
3) The record of recently used applications will be cleared; while the selected application will be kept in the list.



2.7 MANAGE SYSTEM SETTINGS (ADMINISTRATOR ONLY)

An AppLock application configuration file containing **Apps Management** and **Options** settings, named ***AutoImport_AppLock.json***, is kept in the device's internal storage. It is also accessible from a PC through a mobile deployment system, allowing the administrator to deploy a customized config file to multiple devices within just a few clicks. At the first start-up of AppLock after the device boots up, this application will locate this file and load the settings; if this file is missing, a new *AutoImport_AppLock.json* file will be automatically generated using the current AppLock settings. Any change made to the application settings under Administrator mode will be immediately saved to this file. On the other hand, to maintain the consistency and make sure user behavior is not affecting the configuration, under User mode, AppLock will automatically check if this file has been modified as the user returned to Allowed Apps view from other applications or setting pages. If so, AppLock will load the original version of *AutoImport_AppLock.json* to overwrite the current one.



Note:

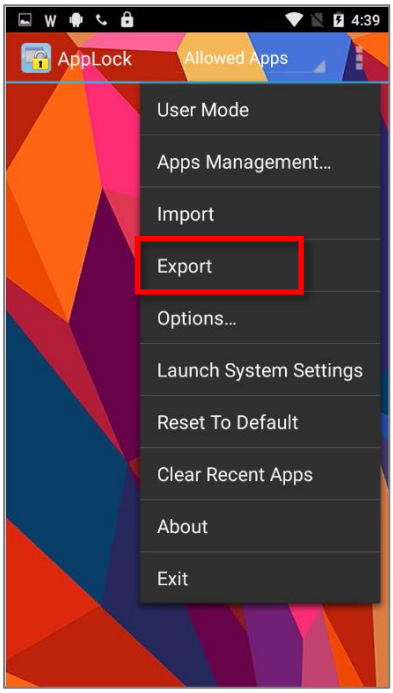
Do not rename this file.

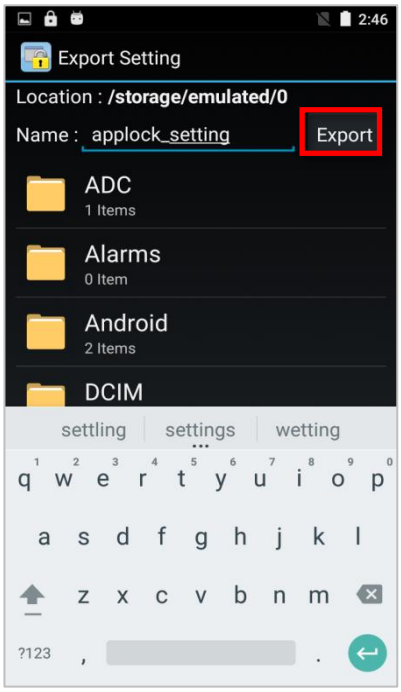
EXPORT

By exporting and importing these configuration files, you can easily share a copy of AppLock's settings among a group of mobile computers.

To export the settings file:

1) Tap the menu button .
2) Tap on "**Export"**.
3) Enter the name of the settings file, and tap to select a path to store the file.





4) Tap on "**Export"**. The settings file will be exported to the specified path.

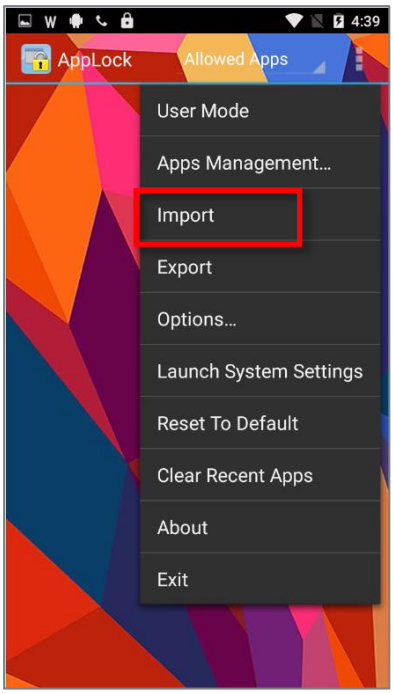
Note:

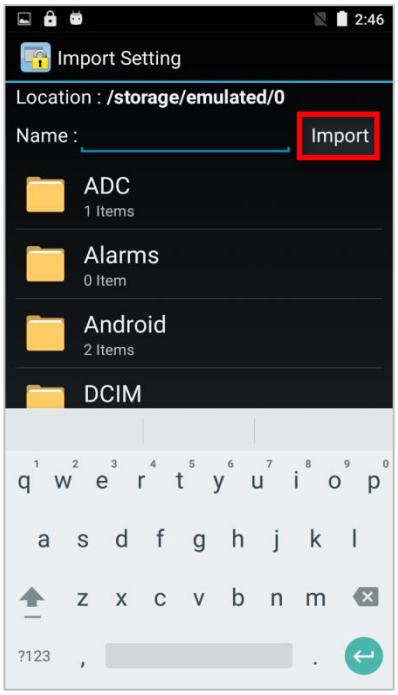
1. The default exported file name is a*pplock_setting.json*.
2. To avoid confusion, do not name an exported setting file as that of the system config files - *AutoImport_AppLock.json.*

IMPORT

To import the settings file:

1) Tap the menu button ⋮.
2) Tap on "**Import"**.
3) Tap to select the path where the settings file (.json) is stored.





4) Tap on "**Import"**.

   The selected file will be imported into the AppLock and the new settings will be immediately applied.

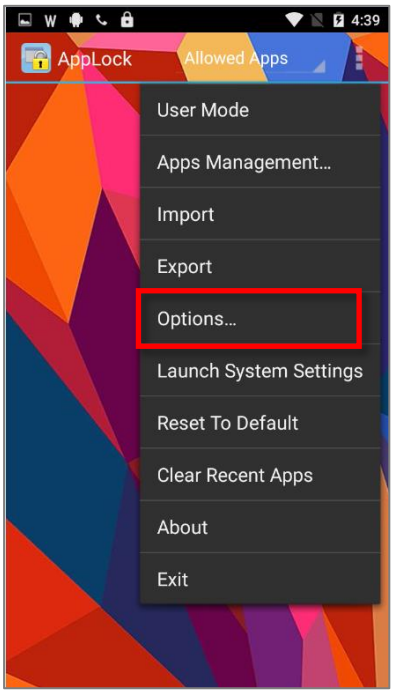
2.8 OPTIONS (ADMINISTRATOR ONLY)

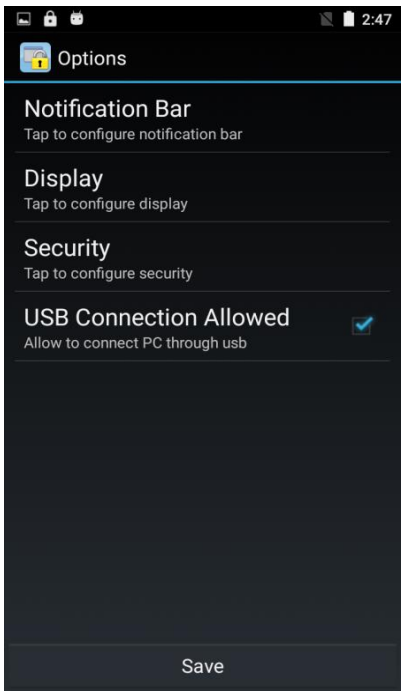
The **Options** menu is an administrator-only setting group that controls how AppLock acts each time it is used.

To open the options menu:

1) Tap the menu button .
2) Tap on "**Options….**"

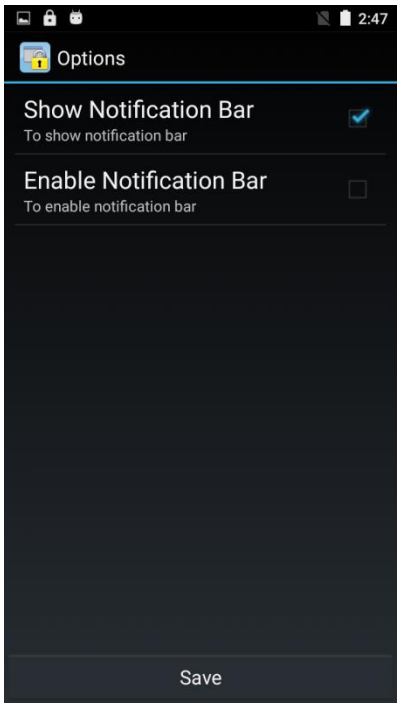
Options menu features the following functions: **Notification Bar**, **Display**, **Security**, and **USB Connection Allowed** tab pages.





NOTIFICATION BAR

Tap **Notification Bar** to open settings for the system notification bar.

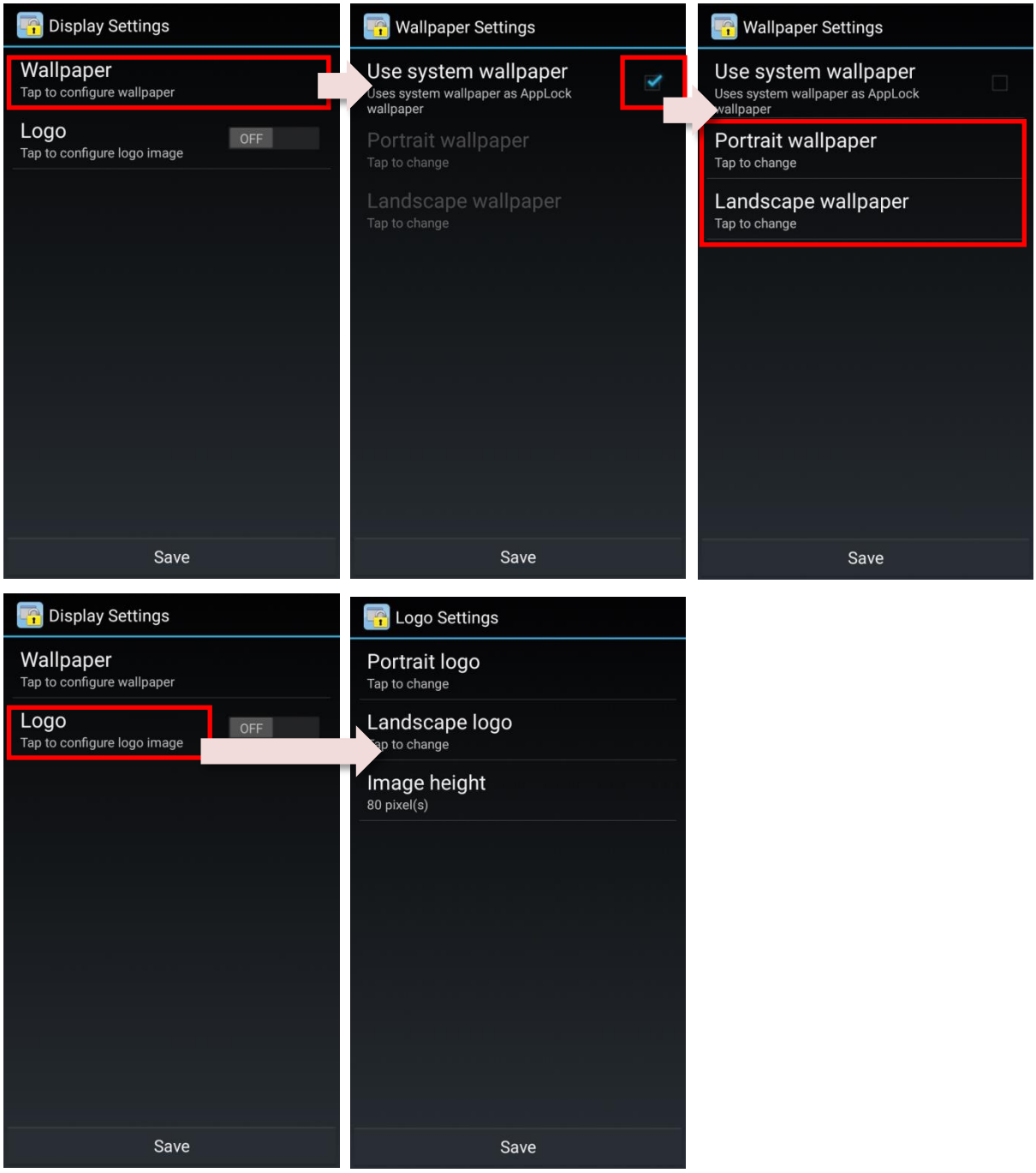


Setting	Description
Show Notification Bar	Shows the notification bar on the top of the screen. Use the notification bar to check battery status, wireless connection status, and system notifications.
Enable Notification Bar	Enables the notification bar. Slide down to check and manage system notifications.

DISPLAY

Tap on **Display** to open settings for the wallpaper and the logo seated right below the toolbar.

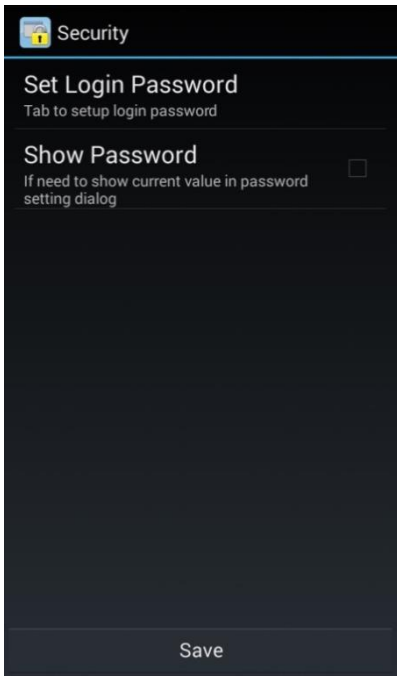
To change the wallpaper or logo, tap on "**Wallpaper**" or "**Logo**" to select image files. After finish setting, please tap on "**Save**" to confirm the settings.

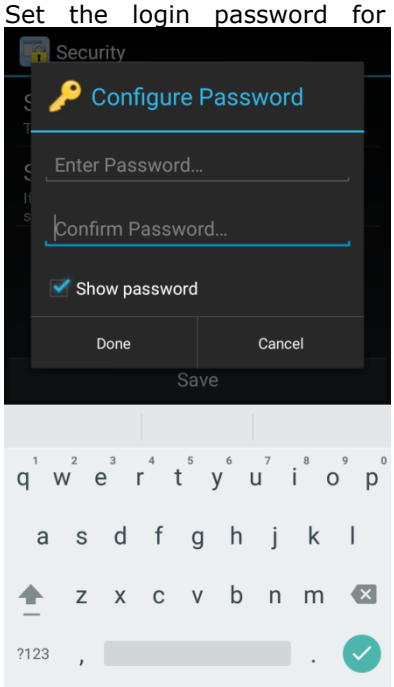


Setting	Description
Wallpaper	Sets the wallpaper for the main screen. Select to use the system wallpaper. To use a custom wallpaper for portrait view or landscape view, please deselect "**Use system Wallpaper**" first.
Logo	Tap the **On**/**Off** switch to enable displaying a logo at the top of the main screen. Tap the Logo label to select a logo for portrait view or landscape view, and set the image height (***1~270*** pixels).

SECURITY

Tap on "**Security"** to set the login password for an administrator.



Setting	Description
Set Login Password	Set the login password for the administrator access level. 
Show Password	Shows the current password during setup of a new password.

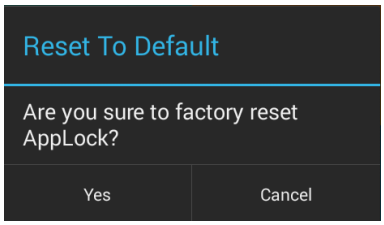
2.9 OTHER FUNCTIONS (ADMINISTRATOR ONLY)

2.9.1 LAUNCH SYSTEM SETTINGS

To access system settings, tap the menu button and then "**Launch System Settings**" to open the system settings menu.

2.9.2 RESET TO DEFAULT

Tap the menu button Tap on "**Reset to Default"** and a dialogue shows. Tap on "**Yes"** to reset AppLock to factory default.



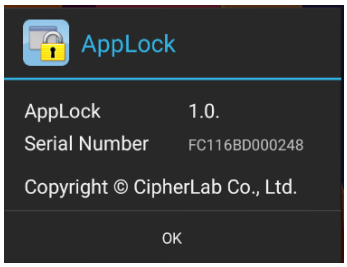
2.9.3 CLEAR RECENT APPS

Pressing the hardware button opens a list of recently used applications. You can also tap the menu button and then "**Clear Recent Apps**" to erase this record. This can prevent accidentally switching to applications other than the applications available on the Allowed Apps view.

If there are certain applications that you would like to keep in the list, add them to the Recent Apps Whitelist

2.9.4 ABOUT

Tap the menu button . Tap on "**About"** to check software version information.



2.9.5 EXIT

Tap the menu button and then "**Exit**" to leave the application.