

Welcome screen
Read QRcode
Staging



Scan2Stage

User Guide

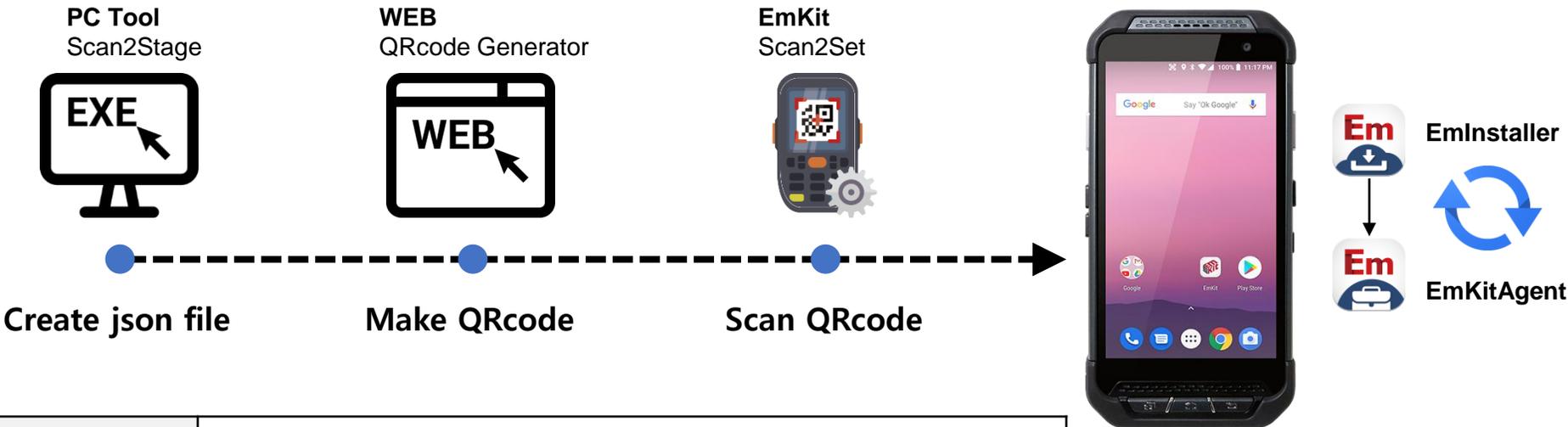
Find new features on the newly released Scan2Stage v10.0.14
The features can be applied through the Scan2Stage client applications.

Please download the applications in compatible version from Point Mobile Service Portal to use the features.

< Compatible Application Version >

- **EmKitAgent** – v2.2.25 and higher
- **EmInstaller** – v1.1.13 and higher
- **EmKiosk** – v1.0.14 and higher

Feature	Description	Location	Page
New display options	All Rotations & Hide Navigation Bar options are newly added	System	p.28
New device restriction & Changed operation	8 more device restrictions are added, and operation scenario changed by selected option		p.29~30
PM500 Button Settings	Button settings for PM500 is added	Button Settings	p.32
Simplified RunApplication input value	When selecting RunApplication in a button setting, only the package name is required.		
Changed option type for Date&Time, TimeZone	For Automatic Date&Time and TimeZone settings, the option type is changed to 'select list' type so that Keep Current Options can be selected	Date & Time	p.33
Restriction for EmKiosk	Four types of restriction are added to EmKiosk configuration	EmKiosk	p.46
GPS setting for EmKiosk	GPS Enable option is added for EmKiosk so that user can enable or disable GPS feature		p.47
Changed string in QRCode Generator	For clear understanding, the descriptions of EmInstaller Setup values are changed	QRCode Generator	p.55

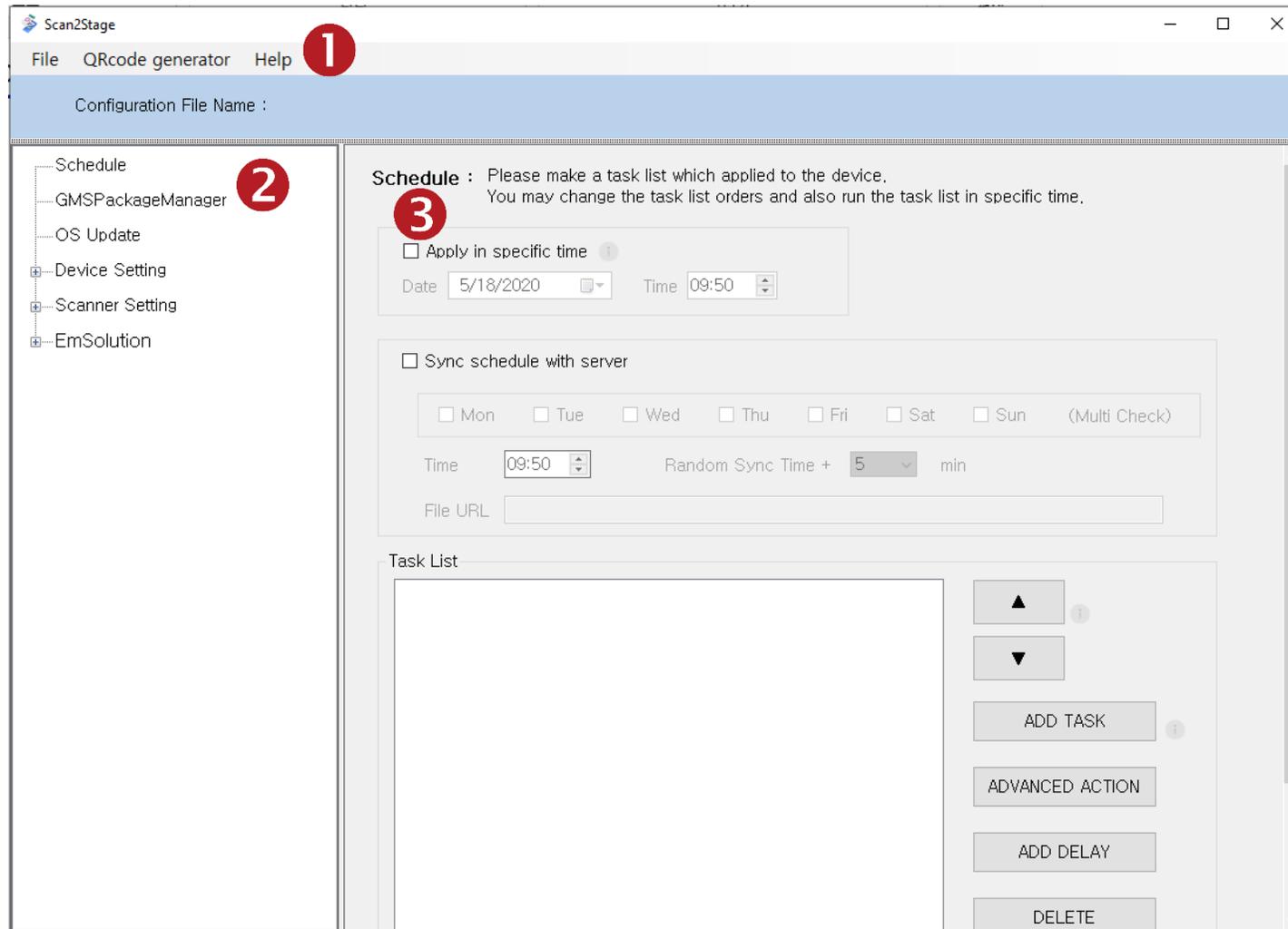


<p>PC Tool (Scan2Stage)</p>	<p>Create system setting file for EmInstaller File output is json format file</p>
<p>WEB (Qrcode Generator)</p>	<p>Create Qrcode for Scan2Set Qrcode contains EmInstaller apk file location(URL), Zip file package location(URL) and json file location(URL)</p>
<p>EmKit (Scan2Set)</p>	<p>Scan2Set handling the Qrcode from WEB Scan2Set install the EmInstaller and give json file information to parse during EmInstaller provisioning process.</p>

PC Tool
Scan2Stage

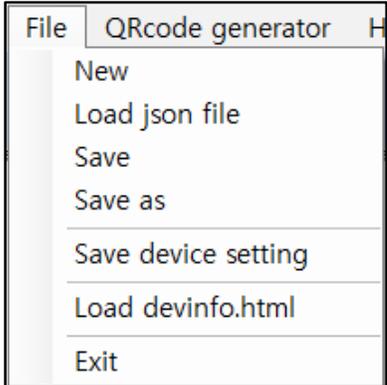


System setting from the PC Tool



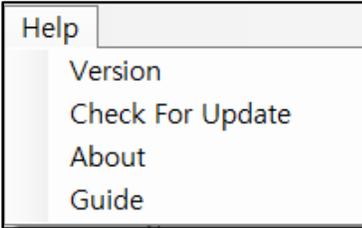
1. Menu bar
2. Item tree menu
3. Setting panel

File

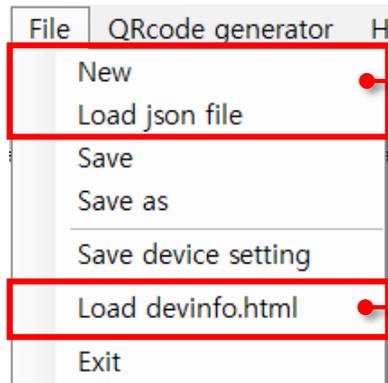


New	Create new json file
Load json file	Load json file which saved before
Save	Save json file
Save as	Save json file with new name
Save device setting	Selectively save system setting
Load devinfo.html	Load the devinfo.html file from the device
Exit	Exit the Scan2Stage

Help



Version	Find version of Scan2Stage
Check For Update	Find latest Scan2Stage version from Service Portal website
About	Find information of Scan2Stage
Guide	Link to guide video of Scan2Stage



To start set the configuration of system,
- Create new json file (**New**)
- Load existing json file (**Load json file**)

If you want to load device's setting which applied now, click **Load devinfo.html**

Note: Because loading devinfo.html reset all changed settings, load devinfo.html before changing any configuration.

Scan2Stage

File QRcode generator Help

Configuration File Name :

Schedule

- GMSPackageManager
- OS Update
- Device Setting
- Scanner Setting
- EmSolution

Schedule : Please make a task list which applied to the device.
You may change the task list orders and also run the task list in specific time.

Apply in specific time ⓘ

Date 5/15/2020 Time 17:41

Sync schedule with server

Mon Tue

Time 17:41

File URL

Apply in specific time ⓘ

Date 5/15/2020 Time 17:41

Task List

▲ ⓘ

▼

ADD TASK ⓘ

ADVANCED ACTION

ADD DELAY

DELETE

Setting file could be applied in specific time
Check **Apply in specific time**, and set date & time

Scan2Stage

File QRcode generator Help

Configuration File Name :

- Schedule
- GMSPackageManager
- OS Update
- Device Setting
- Scanner Setting
- EmSolution

Schedule : Please make a task list which applied to the device.
You may change the task list orders and also run the task list in specific time.

Apply in specific time ⓘ

Date: 5/15/2020 Time: 17:41

Sync schedule with server

Mon Tue Wed Thu Fri Sat Sun (Multi Check)

Time: 17:41 Random Sync Time + 5 min

File URL: _____

Task List

Sync schedule with server

Mon Tue Wed Thu Fri Sat Sun (Multi Check)

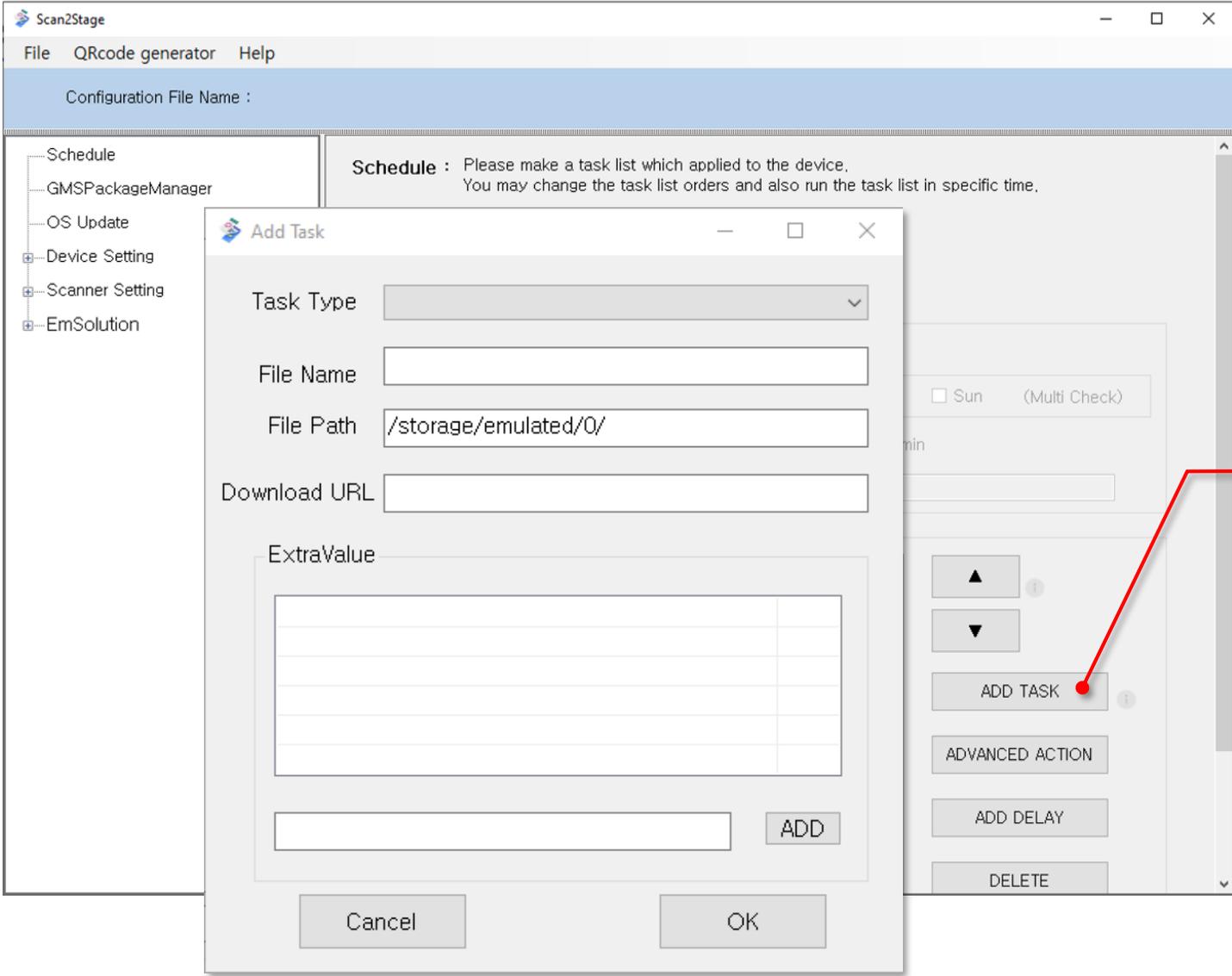
Time: 13:00 Random Sync Time + 5 min

File URL: _____

ADD DELAY

DELETE

Setting file could be applied in specific day of the week. Check **Sync schedule with server**, and set a day and time



Click **ADD TASK** and choose the **Task Type**

- File copy
- File delete
- File download
- App install (With all permission grant)
- App Package Disable(Black list)
- App Package Enable

Input values for each task

The screenshot shows the Scan2Stage application window with a menu bar (File, QRcode generator, Help) and a configuration area. The main interface is divided into a left sidebar with a tree view (Schedule, GMSPackageManager, OS Update, Device Setting, Scanner Setting, EmSolution) and a central task configuration panel. The central panel includes a 'Schedule' section with instructions, a checkbox for 'Apply in specific time' (unchecked), a date field (5/15/2020), and a time field (17:41). Below this is a 'Task List' section with a 'Sync schedule with server' checkbox (unchecked) and a 'Task List' list containing: FILE_COPY, APP_INSTALL, APP_INSTALL, FILE_DOWNLOAD, FILE_DOWNLOAD, SEND_ACTION, and SEND_ACTION. To the right of the list are up and down arrow buttons, an 'ADD TASK' button, an 'ADVANCED ACTION' button, an 'ADD DELAY' button, and a 'DELETE' button. At the bottom right is a 'MODIFY' button. A yellow highlight is present under the 'Task List' label and the list items. Two red callout boxes with white text and red lines pointing to the interface are present: one pointing to the list items labeled 'Scheduled task list example' and another pointing to the down arrow button labeled 'Edit tasks order'.

File Copy

Task Type: FILE_COPY

File Name: /storage/emulated/0/

File Path: /storage/emulated/0/

DownloadUrl:

ExtraValue:

Buttons: Cancel, OK, ADD

Input full file path including the file extension
ex) /storage/emulated/0/Download/ABCD.apk

File copying destination.
Path should be ended with slash(/)

File Delete

Task Type: FILE_DELETE

File Name:

File Path: /storage/emulated/0/

DownloadUrl:

ExtraValue:

Buttons: Cancel, OK, ADD

Input file name and extension
ex) ABCD.png

File location
Path should be ended with slash(/)
ex) /storage/emulated/0/Download/

File Download

Task Type: FILE_DOWNLOAD

File Name:

File Path:

DownloadUrl:

ExtraValue:

Buttons: Cancel, OK

App Install

Task Type: APP_INSTALL

File Name:

File Path:

DownloadUrl:

ExtraValue:

Buttons: Cancel, OK

Note: The app will be installed on the device with full permission

Black List Apps

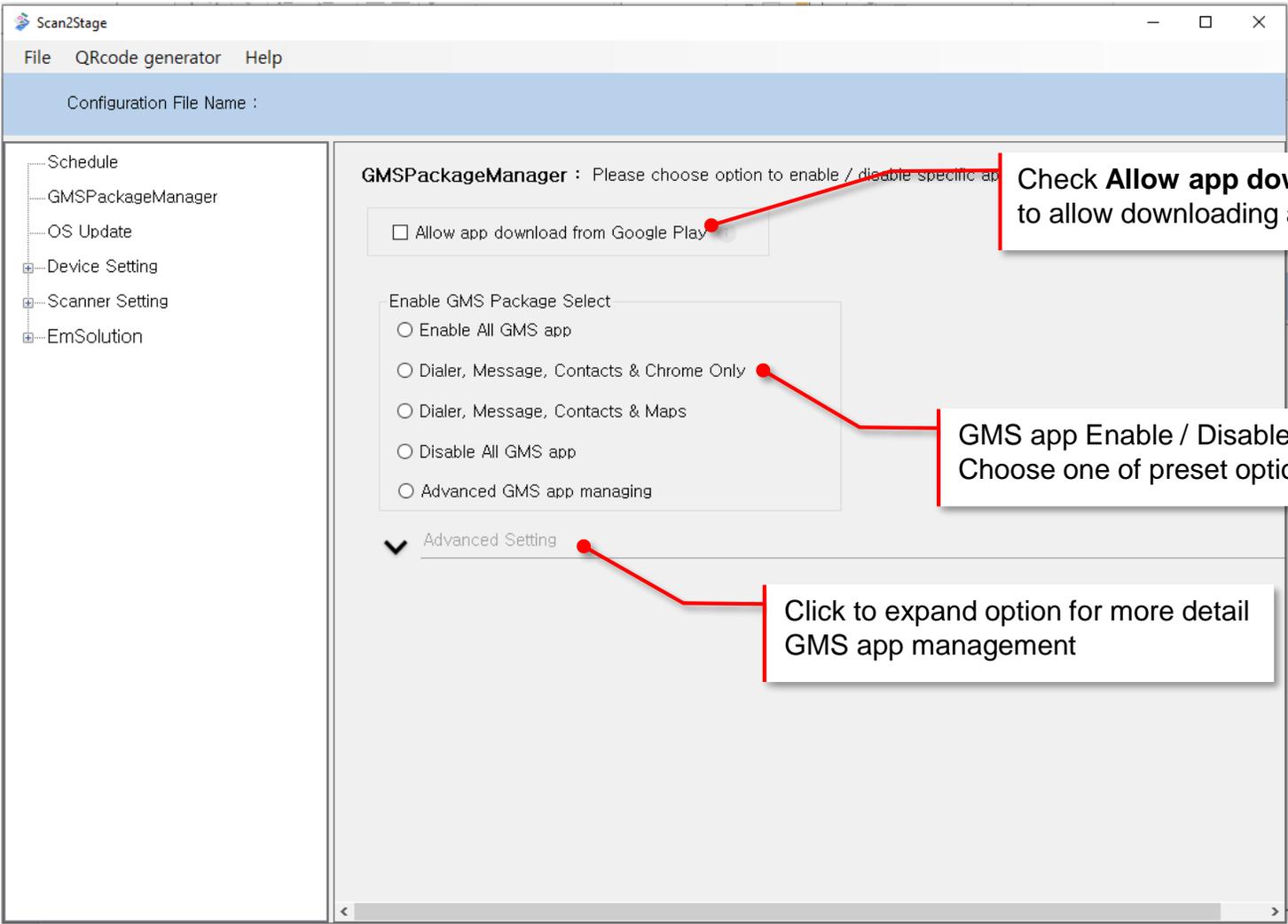
The screenshot shows the 'EmlnsTask' dialog box with the 'Task Type' dropdown set to 'APP_BLACK_LIST'. Below this are input fields for 'File Name', 'File Path', and 'DownloadUrl'. A table with the header 'ExtraValue' is present, with a red dot in the first cell of the first row. Below the table is an 'ADD' button. At the bottom are 'Cancel' and 'OK' buttons.

Input app's package name and click **ADD**
(Refer p.60 or use Apk Analyzer)

Enable List Apps

The screenshot shows the 'EmlnsTask' dialog box with the 'Task Type' dropdown set to 'APP_ENABLE_LIST'. Below this are input fields for 'File Name', 'File Path', and 'DownloadUrl'. A table with the header 'ExtraValue' is present, with a red dot in the first cell of the first row. Below the table is an 'ADD' button. At the bottom are 'Cancel' and 'OK' buttons.

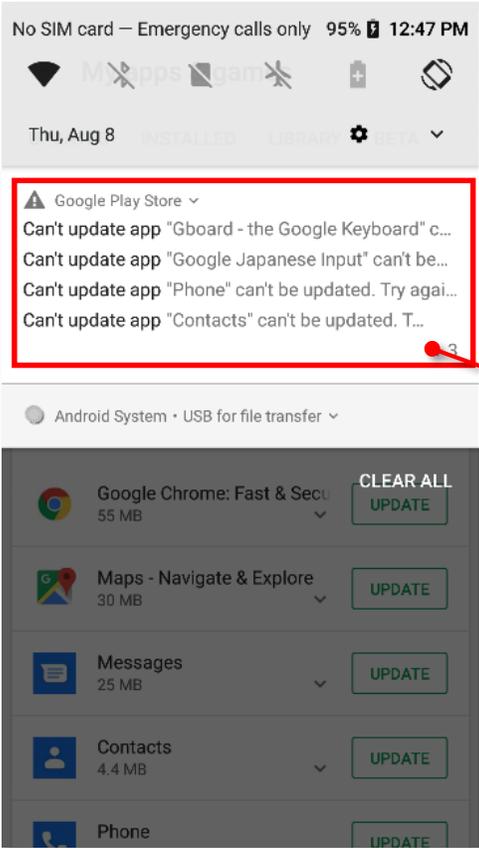
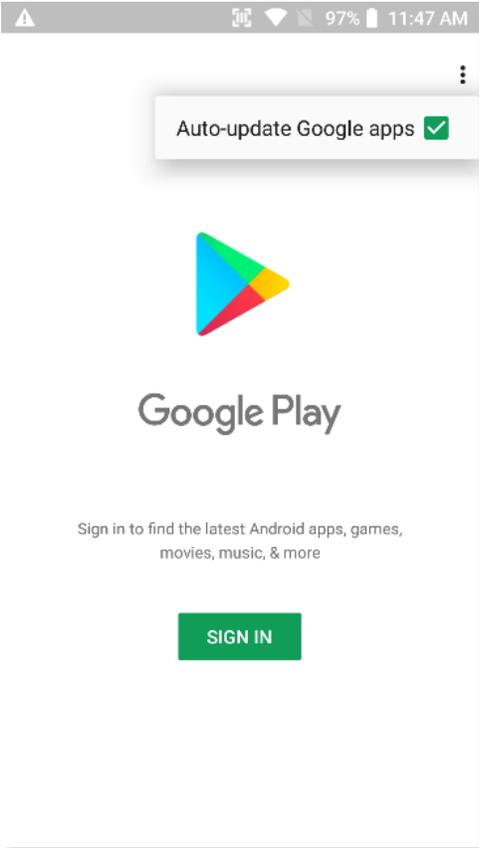
Input app's package name and click **ADD**



Check **Allow app download from Google Play** to allow downloading apps from Google Play

GMS app Enable / Disable option
Choose one of preset option

Click to expand option for more detail
GMS app management



App could not download from Google Play

Scan2Stage

File QRcode generator Help

Configuration File Name :

- Schedule
- GMSPackageManager
- OS Update
- Device Setting
 - Wireless & Network
 - Wi-Fi Setting
 - Ethernet Settings
 - Date & Time
 - Screen Lock
 - Scanner Setting
 - EmSolution

Dialer, Message, Contacts & Maps
 Disable All GMS app
 Advanced GMS app r

Advanced Setting

Package List

Enable List

- YouTube
- Android Services Library
- Google
- Google One Time Init
- Android Shared Library
- ConfigUpdater
- Android Accessibility Suite
- Device Setup
- Tags
- Google Text-to-s
- Google Sample Hc
- Google Partner Se
- Google Play Mov
- Google Korean Inp
- Google Backup Tr
- Keep Notes
- Google Japanese
- Gboard
- Google Play Store
- Google Services F

Disable List

- YT Music
- Gmail
- Clock
- Message
- Google Contacts Sync
- Chrome
- Duo
- Google Zhuyin Input
- Google Play Music
- Phone
- Drive
- Maps
- Conta
- Calcu
- Carrie
- Market Feedback Agent
- Print Service Recommendation Servi
- Photos
- Calendar
- Google Pinyin Input

>>
 <<

Check **Advanced GMS app** managing

Click to Disable selected GMS app in Enable List

Click to enable selected GMS app in Disable List

The screenshot shows the Scan2Stage application interface. On the left is a navigation menu with options like Schedule, GMSPackageManager, OS Update, Device Setting, Phone Settings, System, Button Settings, Date & Time, Screen Lock, Scanner Setting, Basic, Options, Notification, Wedge, Symbolologies, EmSolution, and EmKiosk. The main area is titled 'OS Update' and contains several fields: 'OS Version' with a text input containing '85.02 (Jul 31 2019)', 'Download URL' with a list of four Dropbox URLs, and 'Update Action' with three dropdown menus: 'Factory Reset' (OFF), 'Scanner Factory Reset' (OFF), and 'OS Silent Update' (ON). There are 'ADD' and 'DELETE' buttons below the URL list.

If device's **OS build number** doesn't match with the version you input, EmInstaller download OS image from URL

To reduce the traffic, input multiple URL (Refer to **Appendix II : Make more OS download path**)

Input OS File URL e.g. *http://* or *https://* And Click **ADD**

Factory Reset	OFF	▼
Scanner Factory Reset	OFF	▼
OS Silent Update	ON	▼

Factory Reset - After OS update, factory reset the device
Scanner Factory Reset - After OS update, reset the scanner settings
OS Silent Update - As soon as download the OS image, start the OS update process

The screenshot shows an Android 'About phone' settings page. It displays various system information: Model (PM85), Hostname (PM85-18293A0080), Android version (8.1.0), Android security patch level (June 5, 2019), Baseband version (953_GEN_PACK-1.201915.2.208137.1), and Kernel version (3.18.71-perf-g610a1d9 (gcc version 4.9.x 20150123 (prerelease) (GCC)) jenkins@bsp2build #1 Wed Jul 31 19:53:51 KST 2019). A yellow box highlights the 'Build number' field, which contains '85.02 (Jul 31 2019)'.

The screenshot shows the Scan2Stage application window with a menu bar (File, QRcode generator, Help) and a configuration area. On the left, a sidebar lists options: Schedule, GMSPackageManager, OS Update, Device Setting (highlighted), Scanner Setting, and EmSolution. The main area is titled 'Device Settings' and contains the following elements:

- A red asterisk and text: *** Device Settings** : You can setup Point Mobile Agent
- A section titled 'EmKitAgent App install option' with three radio buttons:
 - Do not Install or update
 - Install or Update latest EmkitAgent from Point Mobile web site ⓘ
 - Install or update from custom location ⓘ
- A text box for the custom location.
- A section titled 'EmkitAgent Run Option' with a checkbox:
 - Run on background

Choose EmKitAgent apk file download and install option first

To setup "Device Setting" menu, EmKitAgent app need to be installed to the device. Please select option first

'Do not Install or update' scenario
When you select 'Do not install or update', install scenario is different depending on whether EmKitAgent already exists on the device.

- EmKitAgent already exists – EmKitAgent will not be installed or updated
- EmKitAgent doesn't exists – Install lastest version from Point Mobile web site

If you check the **EmKitAgent Run Option**, EmKitAgent will run on background during provisioning the device

The screenshot shows the Scan2Stage application interface. On the left is a tree view with categories: Schedule, GMSPackageManager, OS Update, Device Setting (expanded), Scanner Setting, and EmSolution. Under Device Setting, 'Wireless & Network' is selected. The main area displays the configuration for 'Wireless & Network' with the instruction: 'To enable / disable specific wireless function, please setup here'. It includes dropdown menus for NFC, Bluetooth, GPS, and Wi-Fi, all currently set to 'Keep Current'. Below this is a section for 'Wi-Fi hotspot' with fields for 'Hotspot enable' (dropdown), 'Hotspot name' (text input), 'Security' (dropdown), 'Hotspot password' (text input), and 'AP Band' (dropdown).

Enable / Disable functions

- NFC
- Bluetooth
- Wi-Fi
- GPS

Scan2Stage

File QRcode generator Help

Configuration File Name :

- Schedule
- GMSPackageManager
- OS Update
- Device Setting
 - Wireless & Network
 - Wi-Fi Setting
 - Ethernet Settings
 - Phone Settings
 - System
 - Button Settings
 - Date & Time
 - Screen Lock
- Scanner Setting
- EmSolution
 - EmKiosk

Wireless & Network : To enable / disable specific wireless function, please setup here

NFC Keep Current

Bluetooth Keep Current

GPS Keep Current

Wi-Fi Keep Current

Wi-Fi hotspot

Hotspot enable Keep Current

Hotspot name

Security Keep Current

Hotspot password

AP Band Keep Current

Set up Wi-Fi hotspot configuration (OS update is required)

- **Hotspot enable:** Keep Current(Default) / ON / OFF
- **Hotspot name:** Input new Hotspot name or input nothing to keep device's default Hotspot name
- **Security:** Keep Current(Default) / WPA2PSK / None
- **Hotspot password(Only for WPA2PSK):** Input new password or input nothing to keep device's default Hotspot password
- **AP Band:** Keep Current(Default) / 2.4 GHz Band / 5.0 GHz Band

2:35 57%

Wi-Fi hotspot

Off

Hotspot name
PM85-19177A0000

Security
WPA2 PSK

Hotspot password
.....

Advanced
Turn off hotspot automatically, AP Band

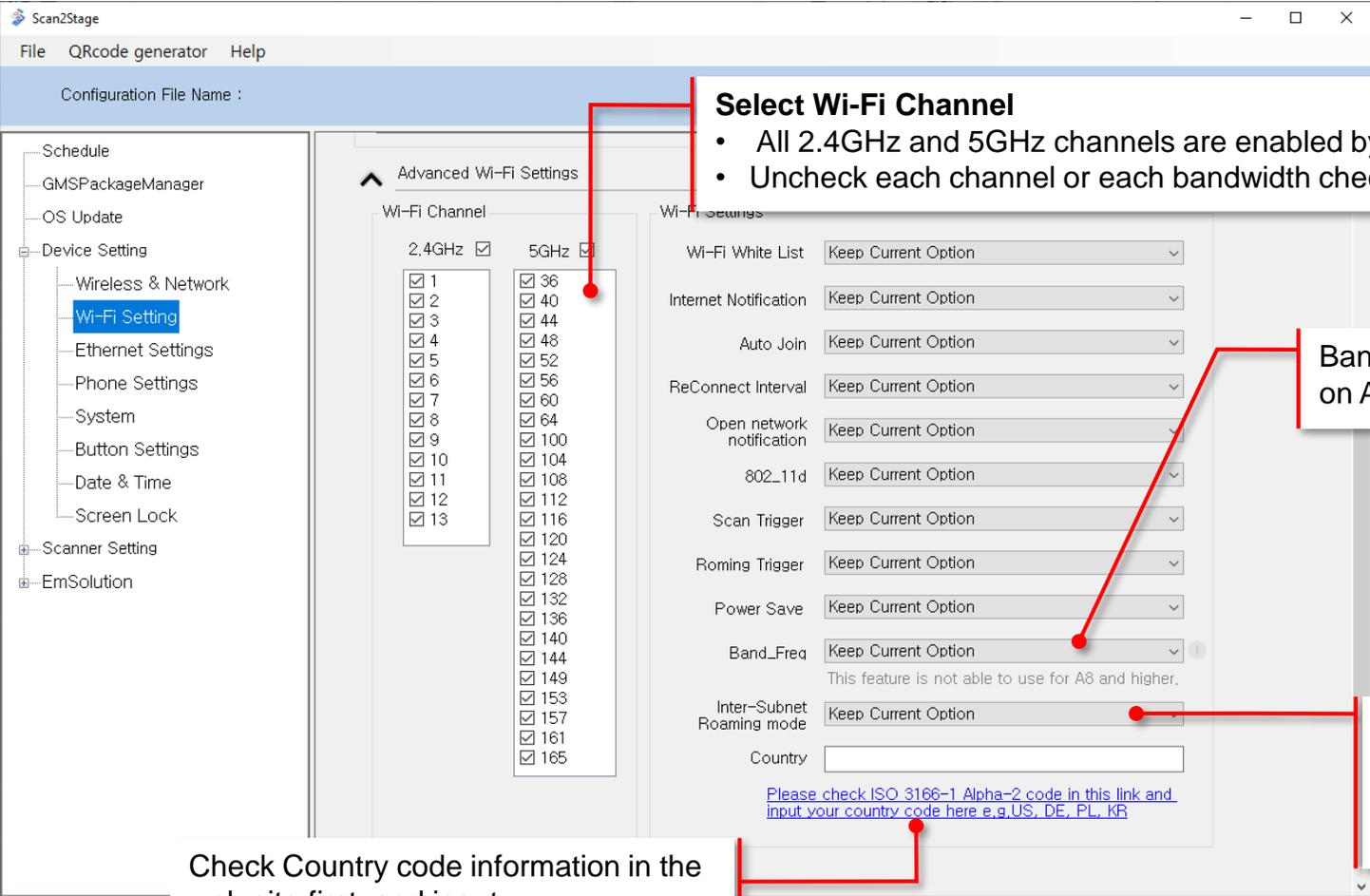
The screenshot shows the Scan2Stage application window with a menu bar (File, QRcode generator, Help) and a configuration area. On the left is a tree view with categories like Schedule, GMSPackageManager, OS Update, Device Setting, Scanner Setting, and EmSolution. Under Device Setting, 'Wireless & Network' is expanded to show 'Wi-Fi Setting', 'Ethernet Settings', 'Phone Settings', 'System', 'Button Settings', 'Date & Time', and 'Screen Lock'. The main area is titled 'Wi-Fi Setting : Please add Wi-Fi profile or setup advanced setting (Wi-Fi Detail settings)'. It contains two tables: 'Wi-Fi Profiles' with columns SSID, password, Hide, and Security; and 'Cert files' with columns cert type and cert path. Both tables have 'ADD', 'EDIT', and 'DELETE' buttons. Below these is a section for 'Advanced Wi-Fi Settings' with a collapsed arrow icon.

Click to add WLAN profile

Click to install CA file for WLAN profile

Expand to setup detail WLAN setting option

The screenshot shows the Scan2Stage application interface. On the left is a navigation tree with categories like Schedule, GMSPackageManager, OS Update, Device Setting, Scanner Setting, and EmSolution. Under Device Setting, 'Wi-Fi Setting' is selected. The main area displays 'Wi-Fi Setting : Please add Wi-Fi profile or setup advanced setting (Wi-Fi Detail settings)'. It includes a table for 'Wi-Fi Profiles' with columns for SSID, password, Hide, Security, and an ADD button. Below this is a 'Cert files' section with a 'cert type' dropdown. A 'CertInstall' dialog box is open, showing fields for 'Cer file path' (containing '/storage/emulated/0/'), 'Cer password', and 'Cer type' (set to 'Wi-Fi'). Red arrows point from callout boxes to the 'Cer file path' and 'Cer password' fields. The callout boxes are labeled 'CA file path' and 'CA file password'. The dialog also has 'OK' and 'CANCEL' buttons.



Select Wi-Fi Channel

- All 2.4GHz and 5GHz channels are enabled by default
- Uncheck each channel or each bandwidth checkbox to disable

Band Frequency change is only available on Android 7 and below

Inter-Subnet Roaming mode

- Enable this mode to reassign the IP address automatically when device roams to different server that has same SSID

Check Country code information in the web site first, and input

[Please check ISO 3166-1 Alpha-2 code in this link and input your country code here e.g.US, DE, PL, KR](#)

Configuration File Name :

Ethernet Settings : Please make sure you are using Ethernet feature supporting cradle first.
Also please apply AC power to your cradle

Ethernet Setting: Keep Current Option

Static

IP Address

Netmask

Gateway

DNS1

DNS2

Proxy Settings

Proxy: None

Proxy Hostname

Proxy Port

Bypass Proxy

PAC URL

If cradle assigned to static IP address, select **Static** option
If cradle assigned to DHCP address, Select **DHCP** option

Scan2Stage

File QRcode generator Help

Configuration File Name :

- Schedule
- GMSPackageManager
- OS Update
- Device Setting
 - Wireless & Network
 - Wi-Fi Setting
 - Ethernet Settings
 - Phone Settings**
 - System
 - Button Settings
 - Date & Time
 - Screen Lock
- Scanner Setting
- EmSolution

Phone Settings : Please check network service provider's APN setting guide first

APN

- * Name
- * APN
- Proxy
- Port
- Username
- Password
- Server
- MMSC
- MMS Port
- MMS proxy
- * MCC
- * MNC
- Authentication type
- APN Type
- APN protocol
- APN roaming protocol
- APN Enable
- MVNO Type
- MVNO value

Please check network service provider's APN setting first and then input correct MCC and MNC value

Scan2Stage

File QRcode generator Help

Configuration File Name :

Schedule

GMSPackageManager

OS Update

Device Setting

- Wireless & Network
- Wi-Fi Setting
- Ethernet Settings
- Phone Settings
- System
- Button Settings
- Date & Time
- Screen Lock

Scanner Setting

EmSolution

- EmKiosk
- EmSync

System : Please setup Display, Sound option here

Display Option

- Screen_Brightness: Keep Current Option
- Touch_Sensitivity: Cotton Glove
- Sleep_Timeout: Keep Current Option
- Rotate_Screen: Keep Current Option
- All Rotation: Keep Current Option
- Hide Navigation bar: Keep Current Option

Sound Options

- Ring: Keep Current Option
- Music: Keep Current Option
- Alarm: Keep Current Option
- Noti: Keep Current Option

Other Sound Options

Language

Device Restriction

Display Option

- Screen Brightness
- Touch Sensitivity
- Sleep Timeout
- Rotate_Screen
- **(Newly Added)** All Rotation
 - Supports 180 degree screen rotation
 - Rotate_Screen must also be enabled
- **(Newly Added)** Hide Navigation bar
 - Hide navigation bar on screen

Sound Option :

- System's notification sound volume and Enable / Disable each event

The screenshot shows the Scan2Stage application window with a menu bar (File, QRcode generator, Help) and a configuration area. The left sidebar lists categories: Schedule, GMSPackageManager, OS Update, Device Setting (expanded to show Wireless & Network, Wi-Fi Setting, Ethernet Settings, Phone Settings, System). The main area shows 'Device Restriction' settings with a list of options, each with a dropdown menu. A red dashed box highlights 'MTP connection', 'Access SD card', 'USB debugging', 'Factory reset', 'Install app', 'Uninstall app', 'Camera', and 'Safe boot'. A blue dashed box highlights 'Quick Settings', 'Airplane mode in power menu', and 'Screenshot'. A red line connects the 'Newly Added Restrictions' box to the red dashed box. A blue line connects the 'Name & Option type changed Restrictions' box to the blue dashed box. The 'Safe boot' dropdown is open, showing 'Keep Current Option', 'Enable', and 'Disable'.

Newly Added Restrictions

- MTP connection
- Access SD Card
- USB debugging
- Factory reset
- Install app
- Uninstall app
- Camera
- Safe boot

Name & Option type changed Restrictions

- Quick Settings
- Airplane mode in power menu
- Screenshot

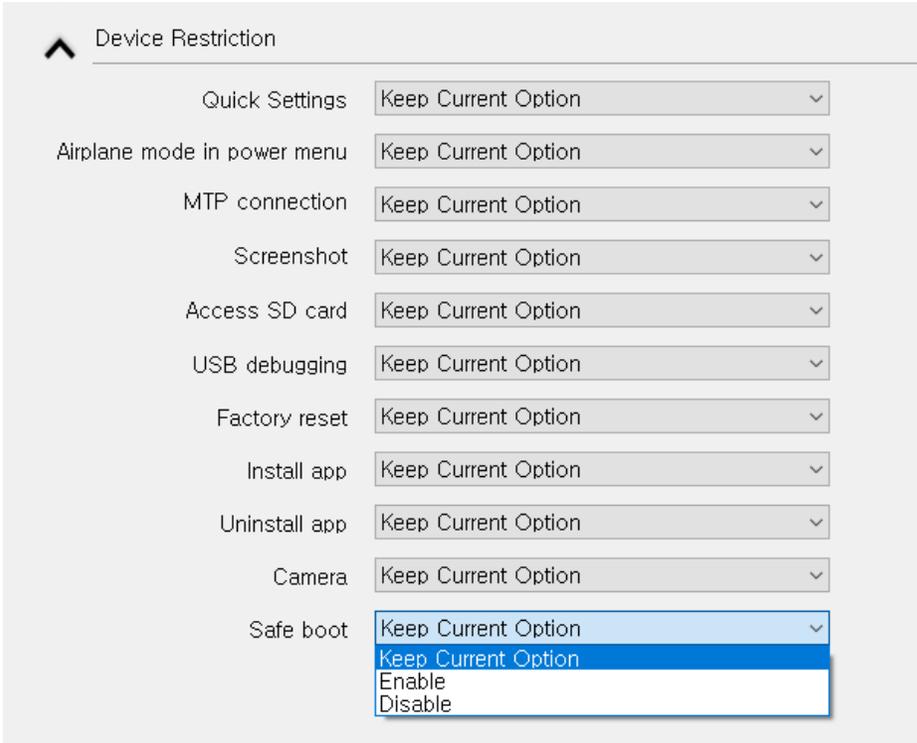
< Before >

The screenshot shows the 'Device Restriction' section with three checkboxes: 'Hide Quick Settings', 'Hide Airplane mode in the Power menu', and 'Disable Screenshot'. All checkboxes are currently unchecked.

※ Be aware Operation difference

Checked (Under v10.0.13) = Disable (From v10.0.14)

Operation by Options (See next page)



Operation by Options

To restrict or hide each feature, set as **Disable**.

Setting	Disable	Enable
Quick Settings	Hide	Show
MTP connection	Block	Allow
Screenshot	Block	Allow
Airplane mode in power menu	Hide	Show
Access SD Card	Block	Allow
USB debugging	Block	Allow
Factory reset	Block	Allow
Install app	Block	Allow
Uninstall app	Block	Allow
Camera	Block	Allow
Safe boot	Block	Allow

Scan2Stage

File QRcode generator Help

Configuration File Name :

Schedule

GMSPackageManager

OS Update

Device Setting

- Wireless & Network
- Wi-Fi Setting
- Ethernet Settings
- Phone Settings
- System
- Button Settings
- Date & Time
- Screen Lock

Scanner Setting

EmSolution

System : Please setup Display, Sound option here

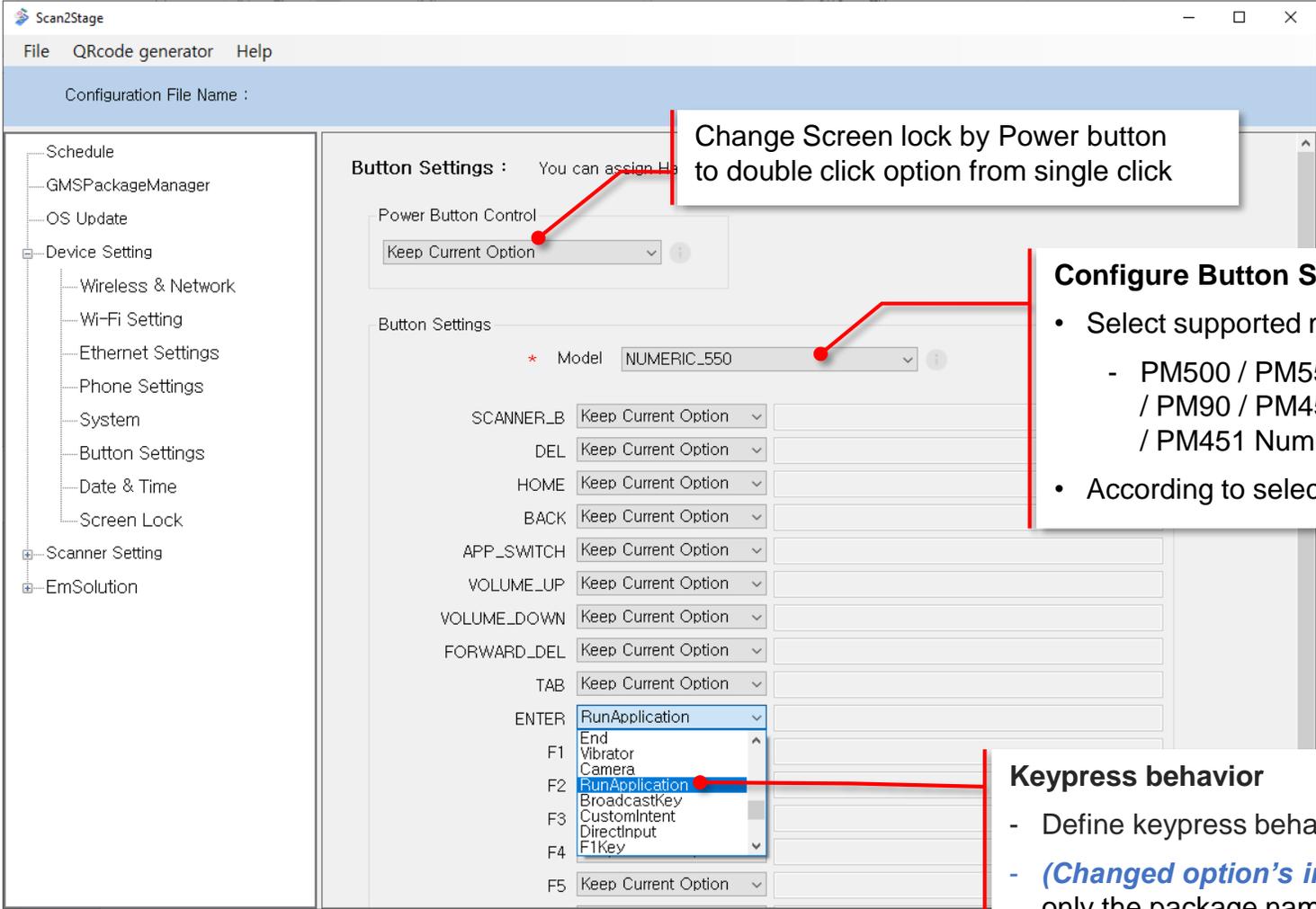
- Display Option
- Sound Options
- Other Sound Options
- Device Restriction
- Language

Language

- Keep Current Option
- Keep Current Option
- Afar/aa-ET
- Afrikaans/af-ZA
- Aghem/agq-CM
- Akan/ak-GH
- Albanian/sq-AL
- Alsatian/gsw-CH
- Amharic/am-ET
- Arabic/ar-SA
- Armenian/hy-AM
- Assamese/as-IN
- Asturian/ast-ES
- Asu/asa-TZ
- Azerbaijani (Cyrillic)/az-Cyrl-AZ
- Azerbaijani (Latin)/az-Latn-AZ
- Azerbaijani/az-Latn-AZ
- Bafia/ksf-CM
- Bambara (Latin)/bm-Latn-ML
- Bambara/bm-Latn-ML
- Bangla/bn-BD
- Basaa/bas-CM
- Bashkir/ba-RU
- Basque/eu-ES
- Belarusian/be-BY
- Bemba/bem-ZM

System Language setting

- Set System Language.
- Depending on the app resources, some apps may not support the changed language.



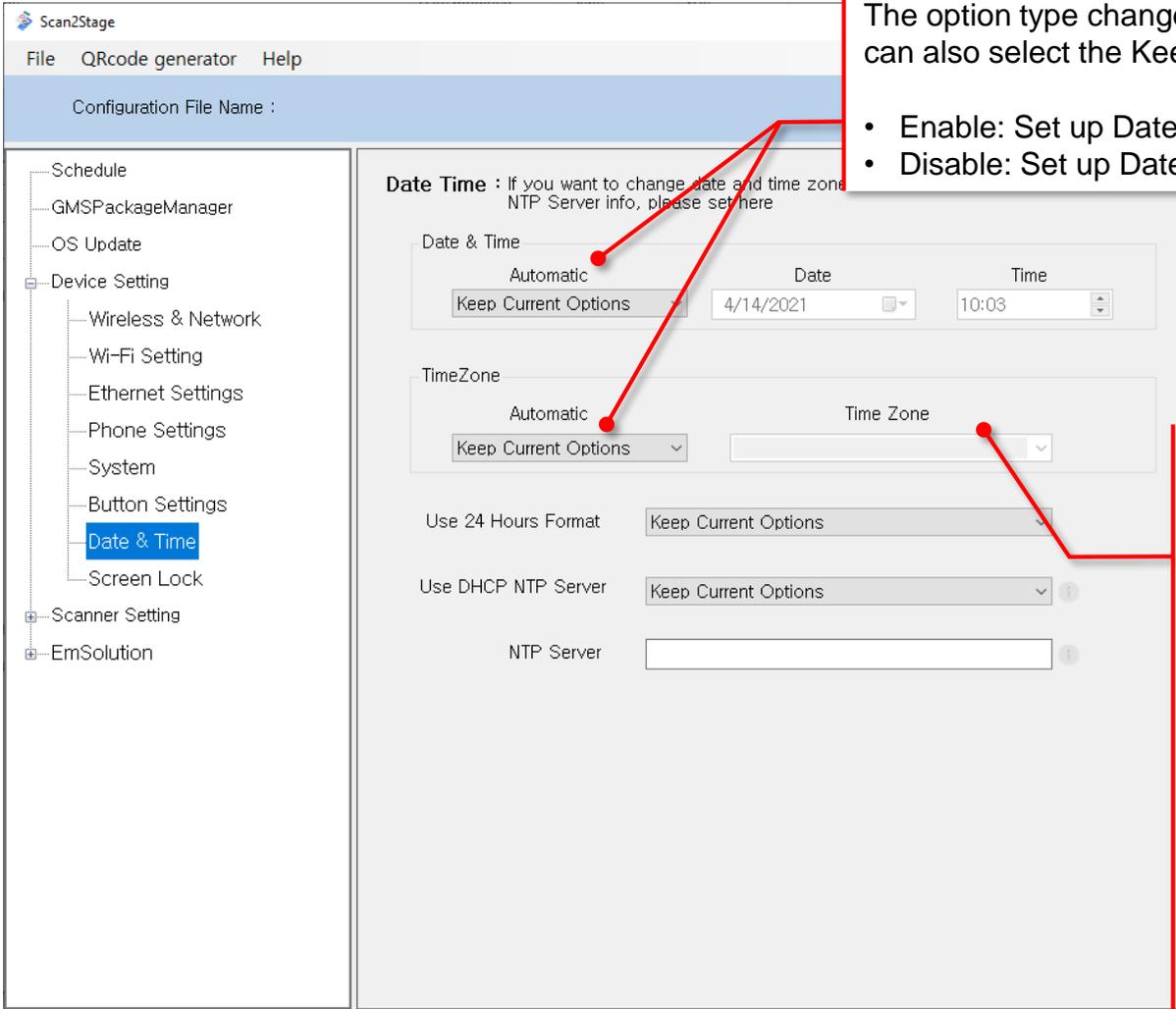
Change Screen lock by Power button to double click option from single click

Configure Button Settings (Added PM500 Button Settings)

- Select supported model
 - PM500 / PM550 Numeric / PM550 Alpha / PM85 / PM45 / PM90 / PM451 Function Numeric / PM451 Alpha Numeric / PM451 Numeric / PM30
- According to selected model, only available settings will be displayed

Keypress behavior

- Define keypress behavior to the specific event or fuction.
- **(Changed option's input value)** When selecting **RunApplication**, only the package name is required to input if the app is launcher app.

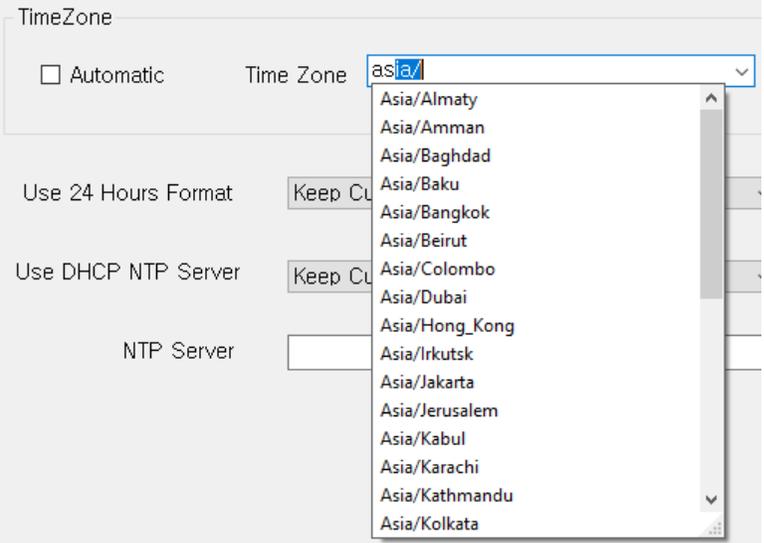


(Changed Option type)

The option type changed from a checkbox to a select list that can also select the Keep Current Options.

- Enable: Set up Date & Time / TimeZone automatically
- Disable: Set up Date & Time / TimeZone manually

Select the City from dropdown menu. By typing the continent, you can browse city easily



Scan2Stage

File QRcode generator Help

Configuration File Name :

Schedule

GMSPackageManager

OS Update

Device Setting

- Wireless & Network
- Wi-Fi Setting
- Ethernet Settings
- Phone Settings
- System
- Button Settings
- Date & Time
- Screen Lock

Scanner Setting

- Basic
- Options
- Notification
- Wedge
- Symbologies

EmSolution

Screen Lock : If you want to change Screen Lock type, please choose the option and then set PIN or Password

Current PASSWORD

Please input current PIN or PASSWORD first

Choose Screen lock

None

Swipe

PIN (Input 4 or more numbers)

PASSWORD (Input 4 or more numbers & letter combination)

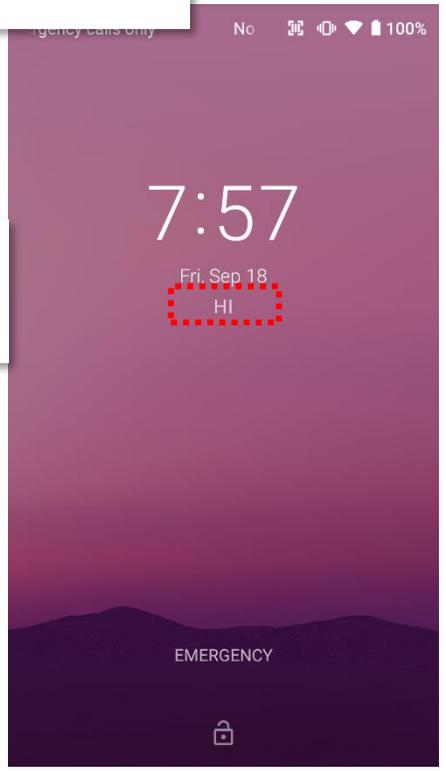
Lock Screen message

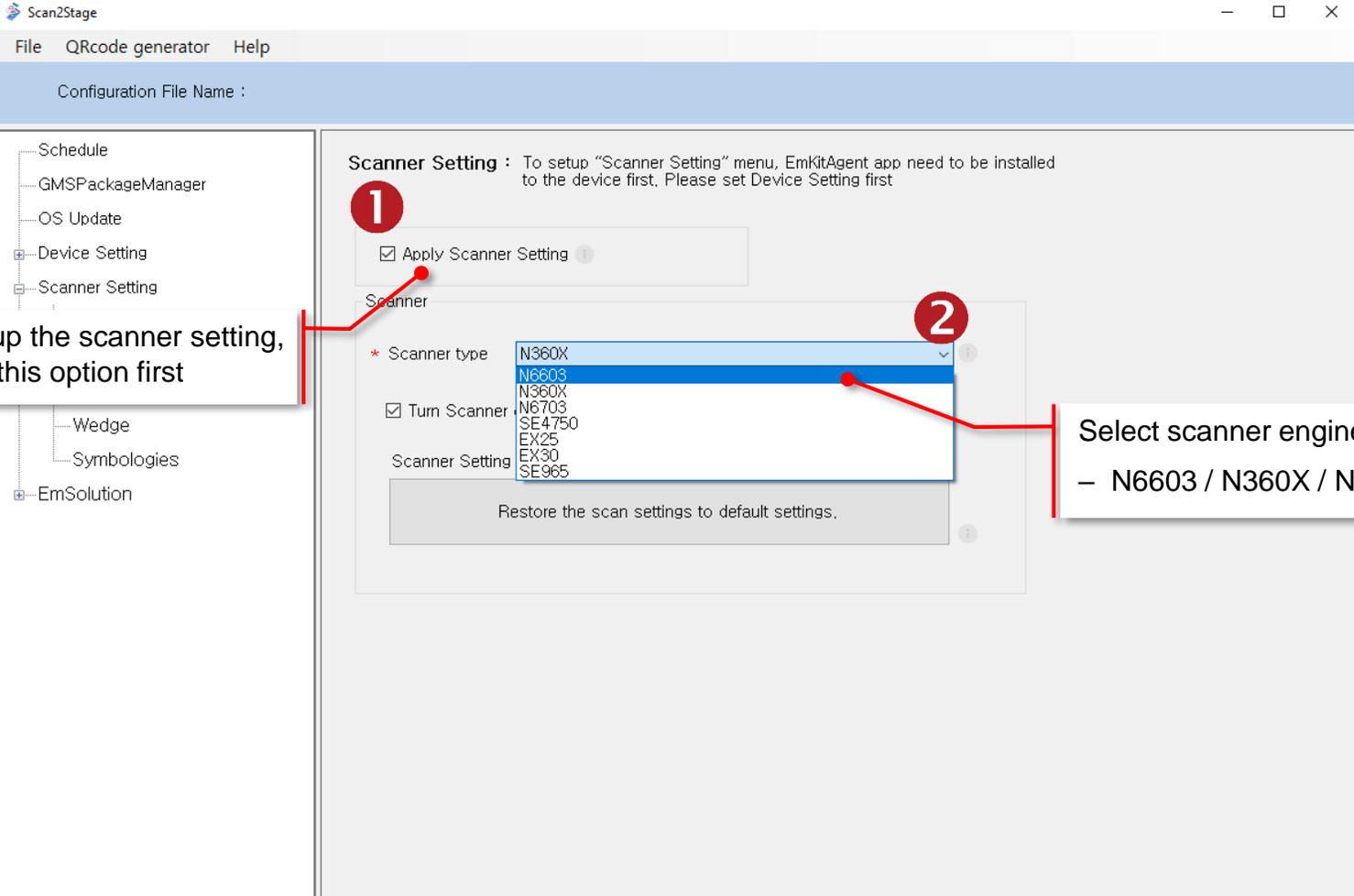
Please input Lock screen message

Select **Choose Screen Lock** option
If pin or password already exist, input the current PIN or PASSWORD first to change the screen lock method

Input Lock screen message

- Enter message indicated as Lock screen message.





To setup the scanner setting, check this option first

Select scanner engine type
– N6603 / N360X / N6703 / SE4750 / EX25 / EX30 / SE965

Single Scan Mode Setting
Enable Single scan and select single scan mode

- Normal decode:
 - Trigger on: Press scan button
 - Trigger off: Release scan button
- Press decode:
 - Trigger on: Press scan button
 - Trigger off: Press scan button again
- Release decode:
 - Aimer on: Press scan button
 - Trigger on: Release scan button

Setup Wedge's **Result type** and **Terminator** option here

TouchScan is floating SW scanner button. To use this function, please enable this option

Scan2Stage

File QRcode generator Help

Configuration File Name :

- Schedule
- GMSPackageManager
- OS Update
- Device Setting
- Scanner Setting
 - Basic
 - Options**
 - Notification
 - Wedge
 - Symbologies
- EmSolution

Options

Enable center window	Disable
Center window tolerance	50
Decode mode	Priority to 2D barcode
Delay before decoding(sec)	0 seconds
Inverse 1D mode	Regular Type Only
Power save mode	Enable
Power save timeout(sec)	60
Enable aimer	Enable
Enable illumination	Enable

Scan2Stage

File QRcode generator Help

Configuration File Name :

- Schedule
- GMSPackageManager
- OS Update
- Device Setting
- Scanner Setting
 - Basic
 - Options
 - Notification**
 - Wedge
 - Symbologies
- EmSolution

Notification

Beep	Enable beep	Enable
LED	Enable LED	Enable
Vibrator	Enable vibrator	Disable
	Good read	0 seconds
	Bad read	0,3 seconds

Scan2Stage

File QRcode generator Help

Configuration File Name :

- Schedule
- GMSPackageManager
- OS Update
- Device Setting
 - Wireless & Network
 - Wi-Fi Setting
 - Ethernet Settings
 - Phone Settings
 - System
 - Button Settings
 - Date & Time
 - Screen Lock
- Scanner Setting
 - Basic
 - Options
 - Notification
 - Wedge**
 - Symbologies
- EmSolution

Wedge

Barcode ID

Transmit barcode ID	Disable
Transmit AIM ID	Disable
Group separator	GS

Label

Prefix	<input type="text"/>
Suffix	<input type="text"/>

Character set

Charset	UTF-8
---------	-------

Extended wedge

Enable extended wedge	Disable
-----------------------	---------

Scan2Stage

File QRcode generator Help

Configuration File Name :

- Schedule
- GMSPackageManager
- OS Update
- Device Setting
- Scanner Setting
 - Basic
 - Options
 - Notification
 - Wedge
 - Symbologies**
- EmSolution

Symbologies

- AZTEC
- CODABAR
- CODE 11
- CODE 128
- CODE 39
- CODE 93
- COMPOSITE A/B
- DATAMATRIX
- EAN 8
- EAN 13
- INTERLEAVED 2 OF 5
- MAXICODE
- MICRO PDF417
- OCR
- PDF417
- QR CODE
- REDUCED SPACE SYMBOLOGY
- UPC A
- UPC E
- STRAIGHT 2 OF 5 (IATA)
- CODABLOCK F
- MSI
- TCIF LINKED CODE 39 (TLC39)
- TRIOPTIC CODE 39
- CODE 32 PHARMACEUTICAL (PARAF)
- MATRIX 2 OF 5
- TELEPEN

Enable all

Disable all

Symbology

Barcode ID

Redundancy

Min

Max

Properties

The screenshot shows a web application window titled "Scan2Stage" with a menu bar containing "File", "QRcode generator", and "Help". Below the menu bar is a header area with the text "Configuration File Name :". The main content area is split into two panes. The left pane is a tree view with the following items: "Schedule", "GMSPackageManager", "OS Update", "Device Setting", "Scanner Setting", "EmSolution" (highlighted in blue), and "EmKiosk". Under "Scanner Setting", there are sub-items: "Basic", "Options", "Notification", "Wedge", and "Symbolologies". The right pane is titled "EmSolutions" and contains the following text:

EmSolutions

About EmSolutions

EmKit (Enterprise Mobility Kit) is Point Mobile's solution for enterprise mobility users. EmKit solutions are pre-installed to Point Mobile Android devices.

During staging process, EmKit solution will be applied. Please setup the solution here or send solution's setting file link.

Scan2Stage

File QRcode generator Help

Configuration File Name :

- Schedule
- GMSPackageManager
- OS Update
- Device Setting
- Scanner Setting
 - Basic
 - Options
 - Notification
 - Wedge
 - Symbologies
- EmSolution
 - EmKiosk**

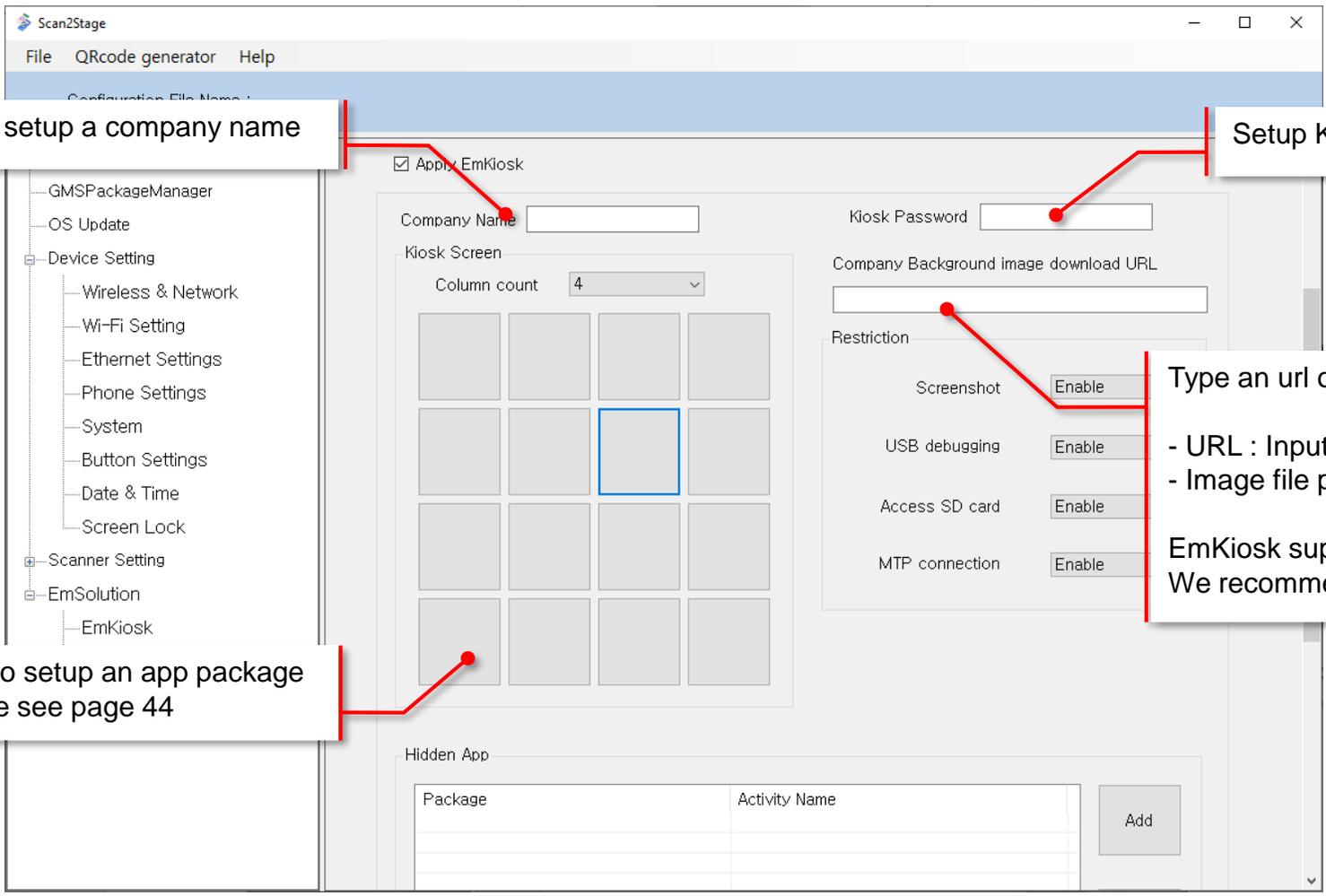
*** EmKiosk :** To setup Kiosk screen, app should install first, Please select app install option first
This solution requires higher than Android 8,1,0 OS image

Update

- Do not Install or update
- Install or Update latest EmKiosk from Point Mobile web site
- Install or update from custom location

EmKiosk Setting

To setup a EmKiosk app, download option should be checked first



Click to setup a company name

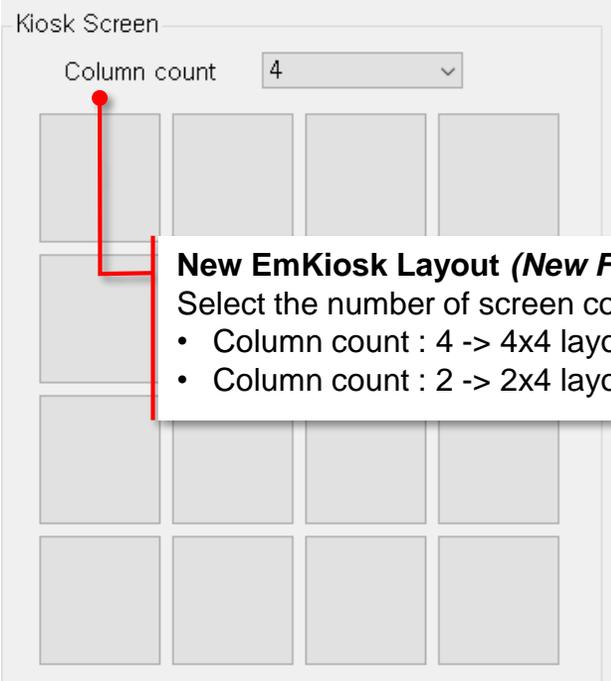
Setup Kiosk mode exit password

Click to setup an app package
Please see page 44

Type an url or image file path destination

- URL : Input image file url including http:// or https://
- Image file path : Path should be start with /storage/emulated/0/

EmKiosk support portrait mode only
We recommend image resolution 720 X 1280 or 1080 X 1920



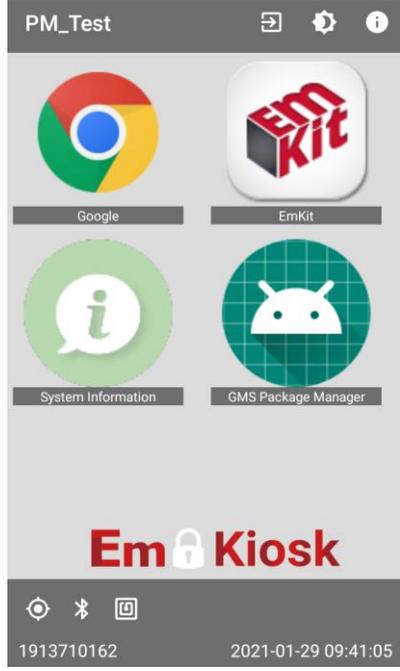
New EmKiosk Layout (New Feature)
 Select the number of screen column

- Column count : 4 -> 4x4 layout
- Column count : 2 -> 2x4 layout

4x4 Layout

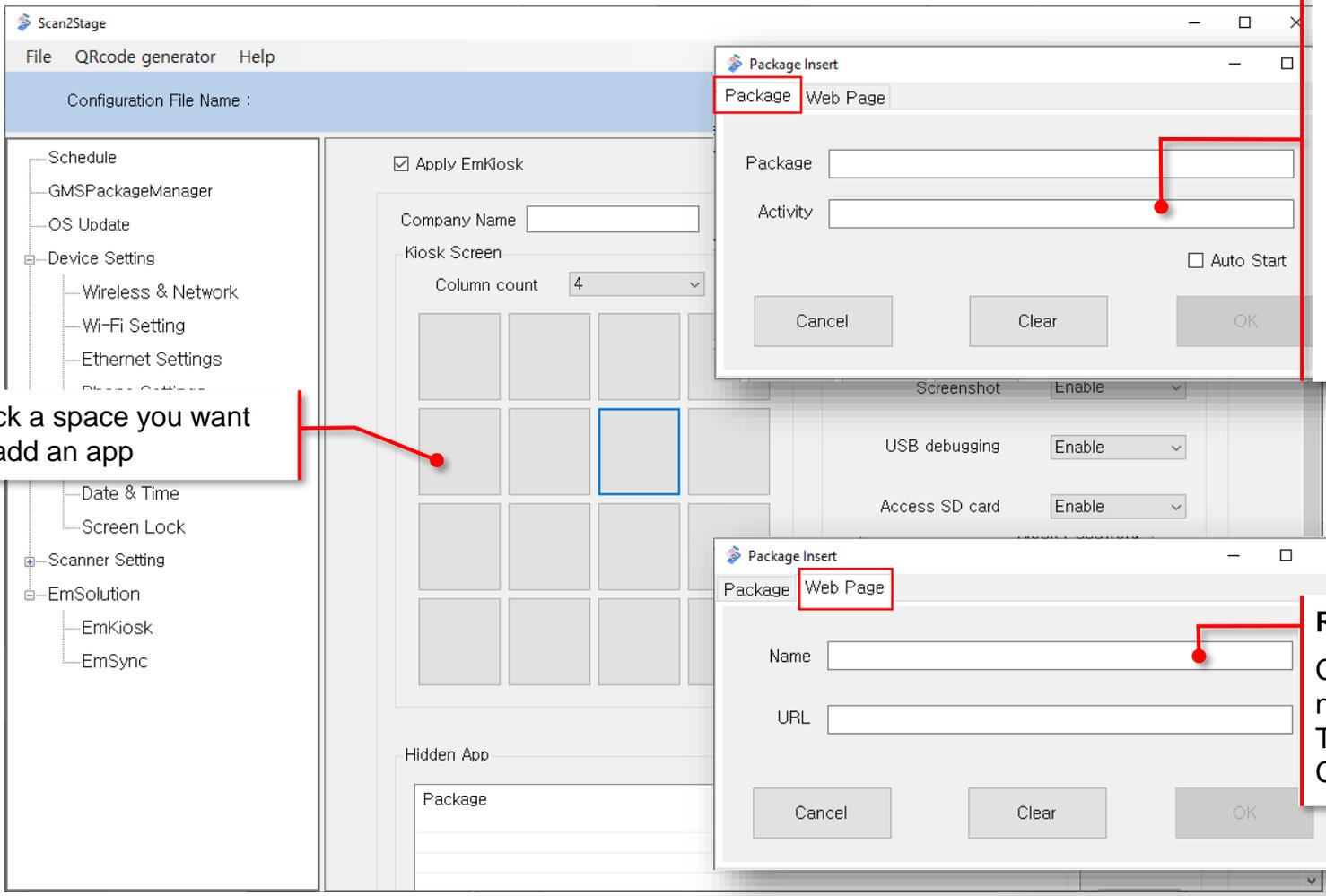


2x4 Layout



- Limit the number of apps**
 (Hidden app is not included)
- 4x4 : Up to 16 apps
 - 2x4 : Up to 8 apps

Note: In 2x4 layout, only 4 to 6 app icons are displayed on the screen at once. Scroll down the screen to find more added apps.



Click a space you want to add an app

Register App

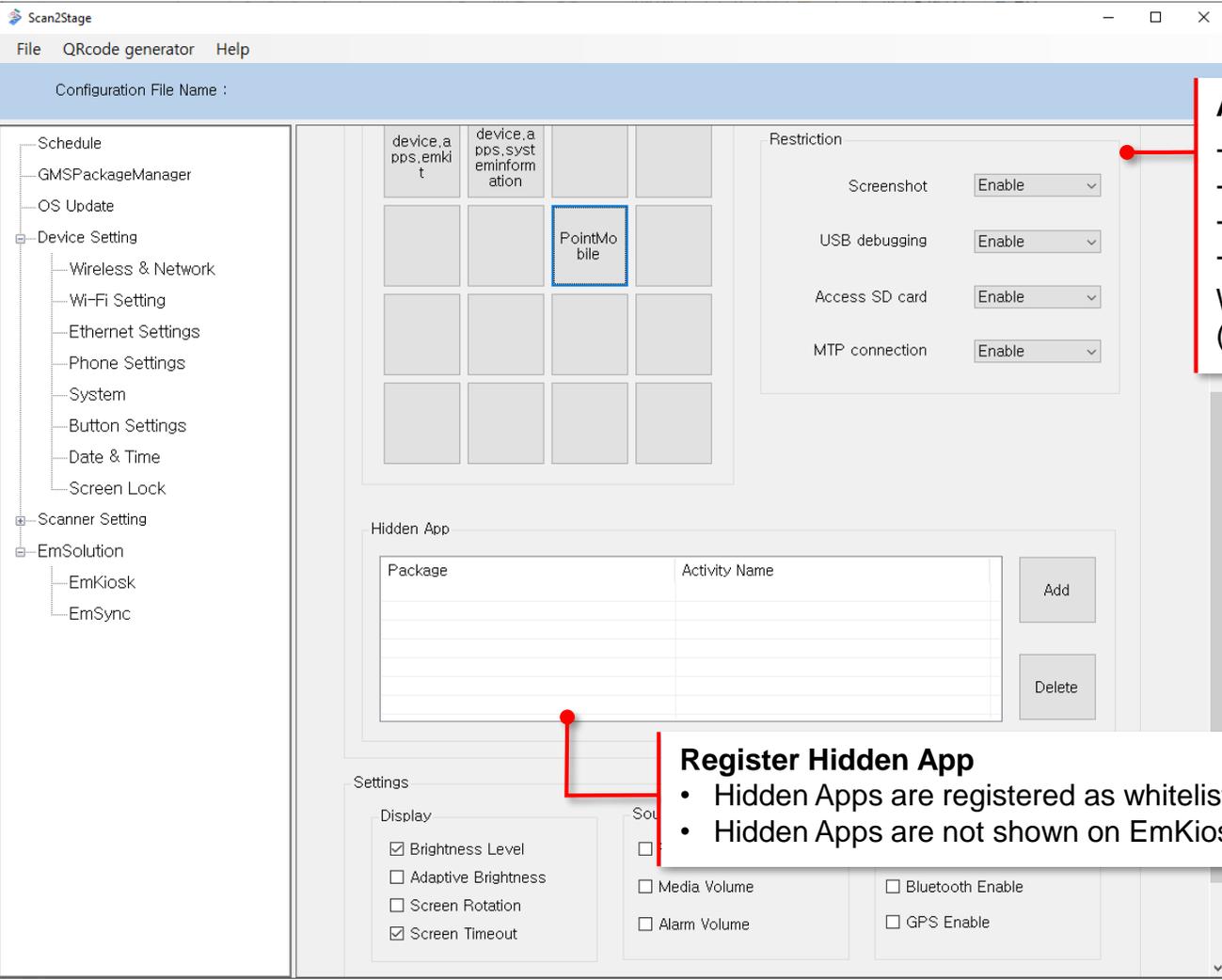
- **Package & Activity name**
 - **Package name:** Required field.
 - **Activity name:** Optional field. (Required if the app is launcher app)

Please find the package & activity name information in Page 63.

- **Auto Start**
If you want this app always launch first, whenever EmKiosk run or device reboot, check this option

Register Web Page Shortcut

Click **Web Page** tab and input desired web page's name and URL
The web page will registered on EmKiosk with Chrome icon (🌐)



Allow Restriction (Newly Enabled)

- Screenshot
- USB debugging
- Access SD card
- MTP connection

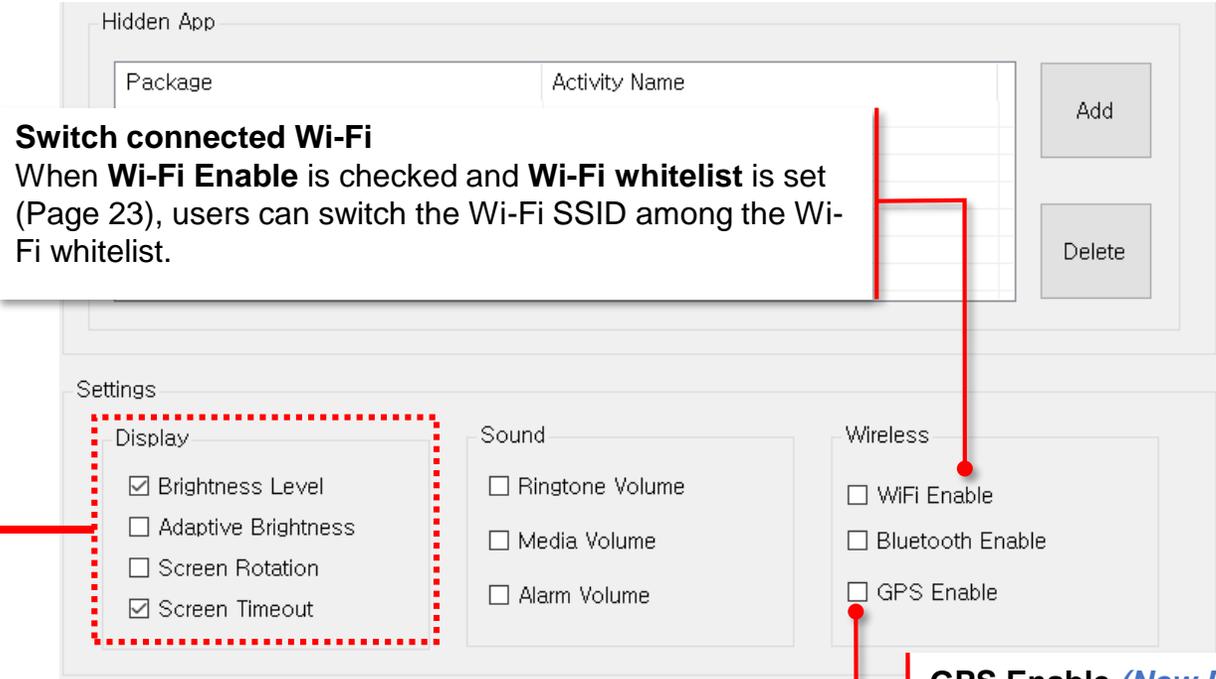
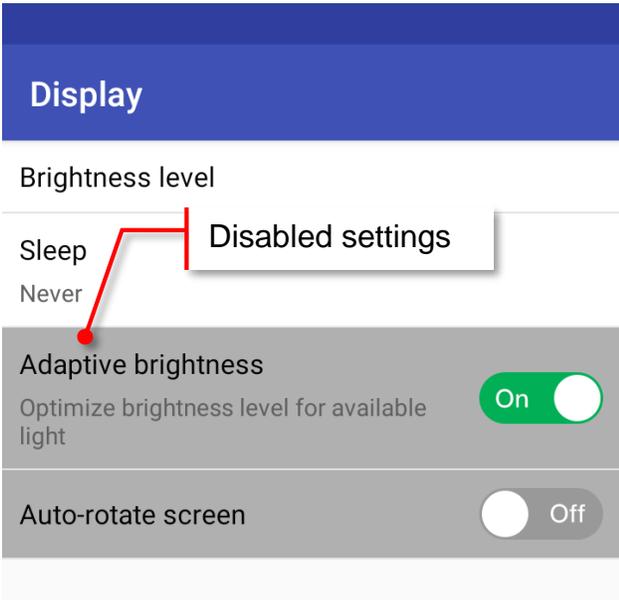
When selecting **enable**, the feature is allowed to use.
(Enabling USB debugging or MTP connection has limitations)

Register Hidden App

- Hidden Apps are registered as whitelist apps
- Hidden Apps are not shown on EmKiosk Screen

Enable some settings

- User can access the settings on Kiosk mode

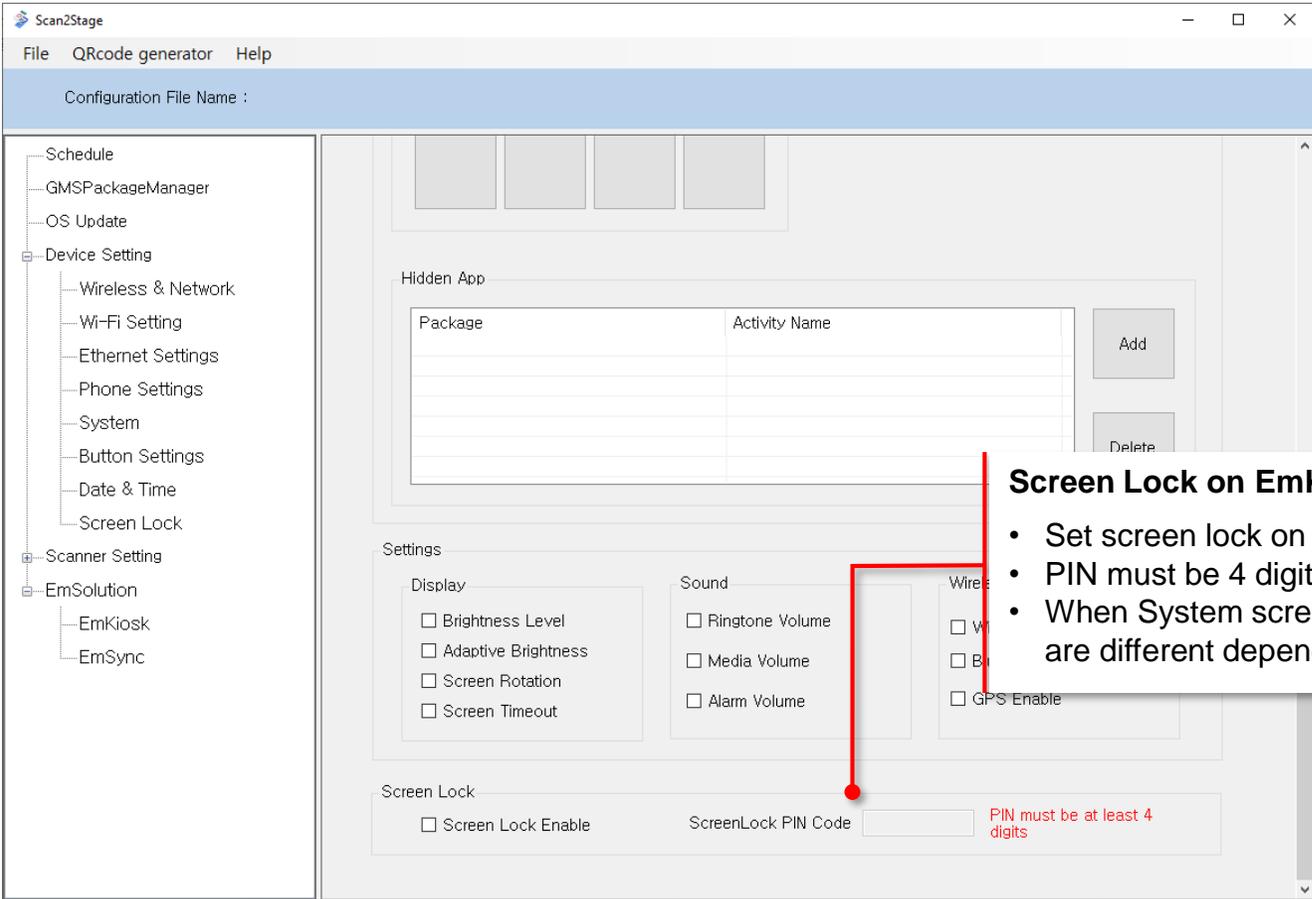


Switch connected Wi-Fi

When **Wi-Fi Enable** is checked and **Wi-Fi whitelist** is set (Page 23), users can switch the Wi-Fi SSID among the Wi-Fi whitelist.

GPS Enable (New Feature)

When **GPS Enable** is checked, users can enable or disable the GSP feature.



Screen Lock on EmKiosk

- Set screen lock on EmKiosk
- PIN must be 4 digits
- When System screen lock is set at the same time, system behaviors are different depending on Android version. Refer to next page

Screen Lock on EmKiosk

If the System screen lock and EmKiosk screen lock are set at the same time, act as below depending on Android version.

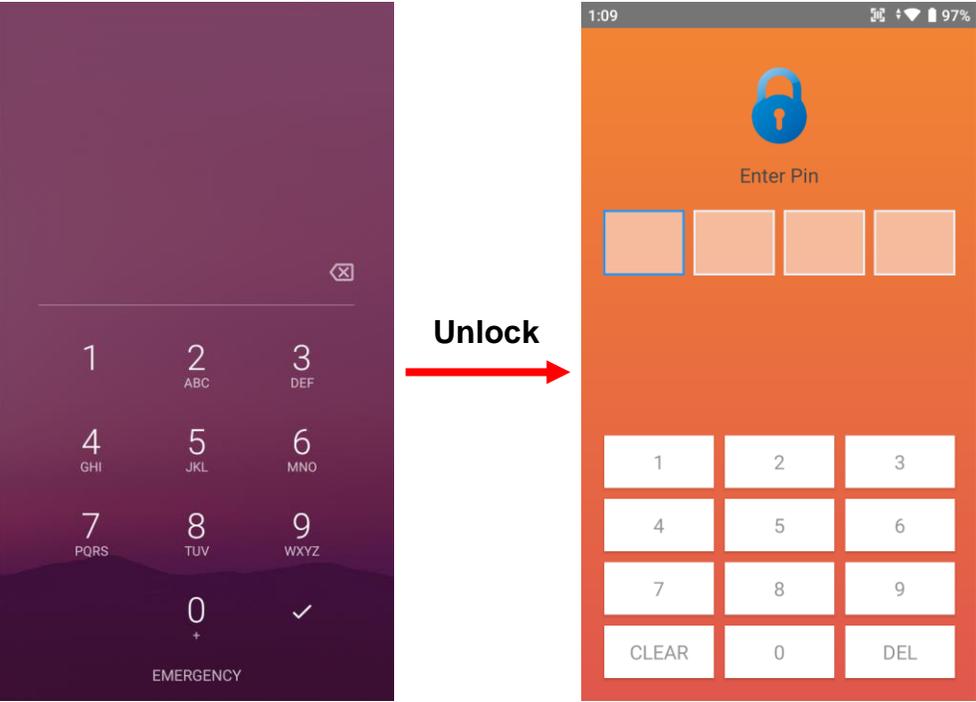
Android 8

Only EmKiosk screen lock is executed



Android 9 and above

Execute EmKiosk screen lock after unlocking System screen lock



Enable status bar

- From Android 9, status bar is enabled as default
- Notifications will be shown on status bar (In order to see details, applications which transmit notifications are registered in EmKiosk screen or hidden App)

EmKiosk Setting

Apply EmKiosk

Company Name

Kiosk Password

Kiosk Screen

Column count

device,apps,emkit	device,apps,systeminformation		
		PointMobile	

Company Background image download URL

Restriction

Screenshot

USB debugging

Access SD card

MTP connection

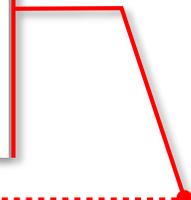
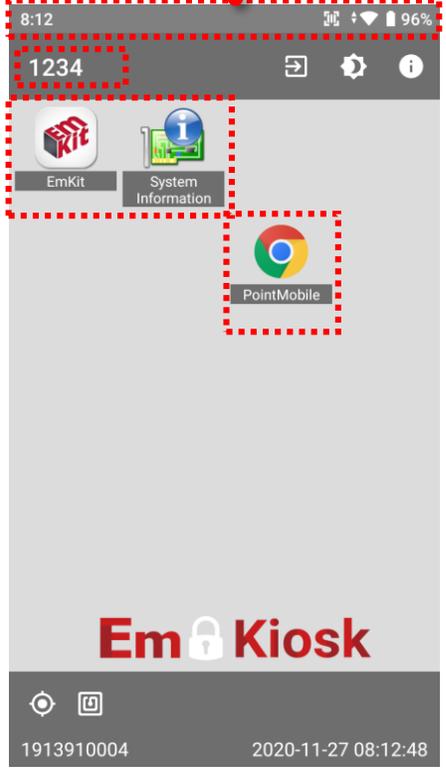
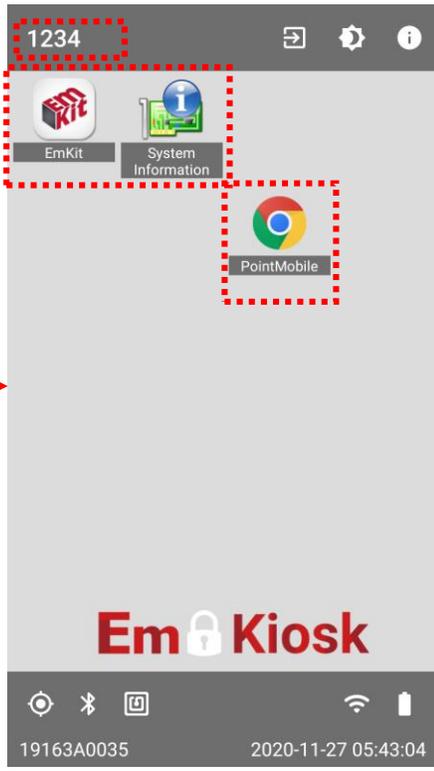
Hidden App

Package	Activity Name

Add

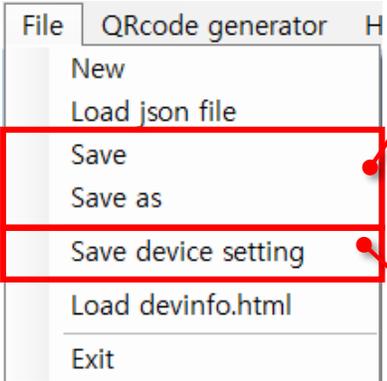
Apps

Web Page



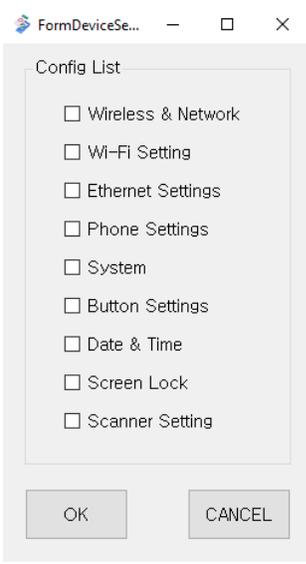
1 Save json file

2 Upload files to Web Server



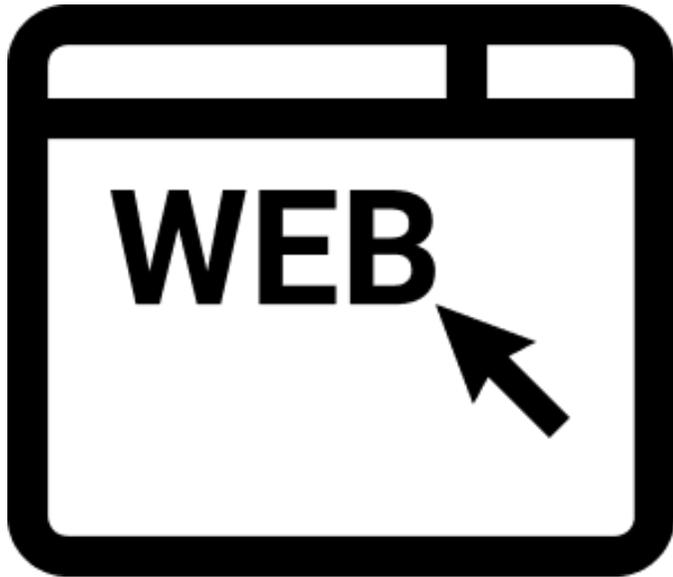
After setting up all settings, click **Save** or **Save as** to save it as json format

Save part of device setting selectively
The json file can be used easily in EMM



Upload json file & file package(apk files, data files)

WEB
QRcode Generator



QRcode creation for Scan2Set

The screenshot shows the Scan2Stage application window. The menu bar includes 'File', 'QRcode generator', and 'Help'. The 'QRcode generator' menu is open, showing options: 'Scan2Stage QRcode', 'Android Enterprise QRcode', and 'CA File Install QRcode'. A red arrow points from the 'Scan2Stage QRcode' option to a callout box that says 'Click QRcode generator > Scan2Stage QRcode'. The main interface has a left sidebar with a tree view containing 'Schedule', 'GMSPackageManager', 'OS Update', 'Device Setting', 'Scanner Setting', 'Basic', 'Options', 'Notification', 'Wedge', 'Symbologies', 'EmSolution', and 'EmKiosk'. The 'Schedule' section is active, showing a 'Schedule' field with a date of '5/18/2020' and a time of '09:50'. There are checkboxes for 'Apply in specific time' and 'Sync schedule with server'. Below these are day selection checkboxes (Mon-Sun) and a 'Random Sync Time' dropdown set to '5' minutes. A 'File URL' field is also present. At the bottom, a 'Task List' contains two tasks: 'APPLY_SETTING' and 'APPLY_EMKIOSK'. To the right of the task list are buttons for 'ADD TASK', 'ADVANCED ACTION', 'ADD DELAY', and 'DELETE'.

Emlnstaller Provisioning

Network Setup

SSID:
 Hidden

Password:

Security Type: None WEP WPA,WPA2,WPA2PSK 802.1x EAP

EAP Method: PEAP

Phase 2 authentication: None MSCHAPV2 GTC

Identity:

Anonymous Identity:

Proxy Type: None Static PAC

Proxy Host:

Proxy Port:

Proxy Bypass:

Proxy PAC URL:

DHCP NTP Server: Enable

NTP Server:

Epoch Time (Sec.):

Time Zone:

Internet Access Check: Disable

Provision network information

SSID for Provisioning
 SSID which is used for provisioning and not registered to Wi-Fi profile list will be removed after provisioning process.

EmlnInstaller Setup

EmlnInstaller APK :

Target JSON File URL :

ZIP File URL for Configuration Files :

Screen timeout : Never

[Generate QR Code](#)[Clear](#)

- **EmlnInstaller APK**
 - Input URL of EmlnInstaller apk file.
 - EmlnInstaller is not preinstalled so if your device doesn't have EmlnInstaller, this URL is required.
- **Target JSON File URL (Required)**
 - Input json file URL, which EmlnInstaller will use for provisioning process
- **ZIP File URL for Configuration Files**
 - Input the URL of zip file which contains apk or app data file. EmlnInstaller will download this file to **Download** folder and then unzip.
(So after downloading, the address will be */storage/emulated/0/Download/Zip File Name/*)
- **Screen timeout**
 - Check this option to turn on the screen all the time during provisioning process

Appendix

- Use a local server
- Make more OS download path
- Load devinfo.html
- Em solution package name
- Best practice of App Blacklist
- App's package name and Activity
- QRcodeUrl.config file editing

Scan2Stage requires URL input form field and has several download apk file download option from Point Mobile server.

Update

Do not Install or update

Install or Update latest EmKiosk from Point Mobile web site

Install or update from custom location

Task Type

File Name

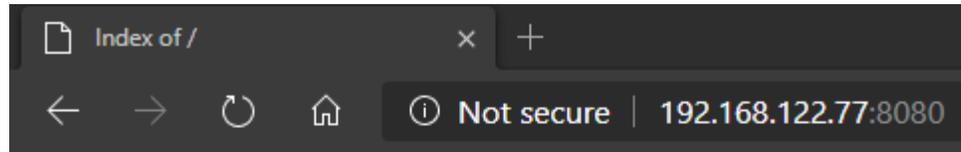
File Path

Download URL

If IT admin wants every download event happen from local server instead of Cloud service, please check below items

- Scan2Stage doesn't support FTP protocol due to potential security issue. Scan2Stage supports **HTTP protocol (http:// and https://)** instead. If network environment has Web server, IT admin could upload required files for provisioning process and generate URL. URL can be with IP address.
Ex) <http://192.168.122.77:8080/Point%20Mobile/Scan2Stage10.0.3/>
- If network environment is closed network and doesn't have Web server, IT Admin could use simple version web server program such as mongoose-free version webserver (<https://cesanta.com>). Please review next page for how to use mongoose server and generate URL link

1. Access to Point Mobile [Dropbox folder](#) and download mongoose-free-server
2. Launch mongoose-free-server program to start web server. The server will share the files in the folder where the server is launched.
(Web server address will be *your IP address:8080*)

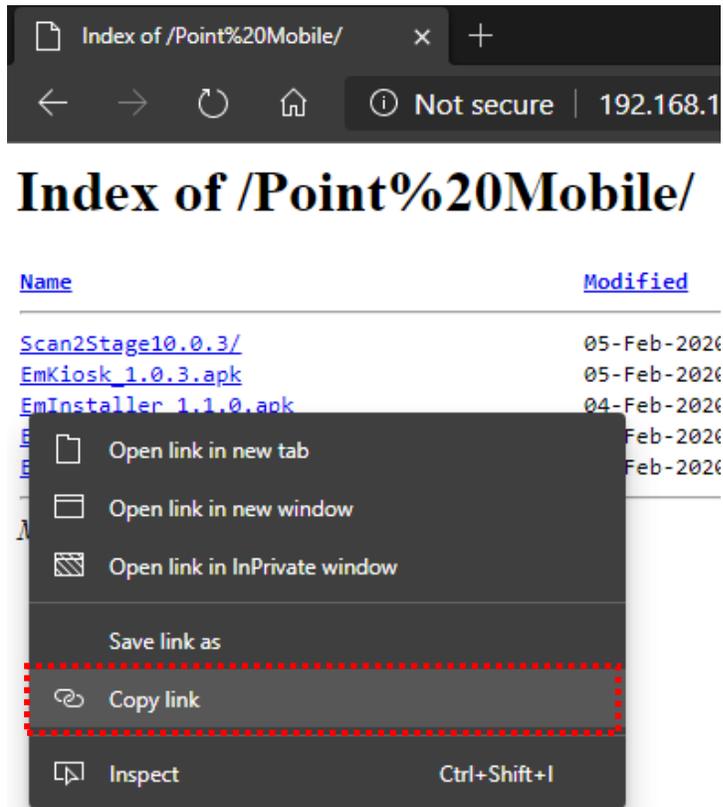


Index of /

<u>Name</u>	<u>Modified</u>	<u>Size</u>
Point Mobile/	07-Feb-2020 09:38	[DIRECTORY]
mongoose-free-6.5.exe	11-Jan-2017 15:13	532.0k
mongoose-free-6.7.exe	13-Jan-2020 20:13	144.0k
log.txt	07-Feb-2020 09:37	7.5k
error.txt	03-Feb-2020 15:26	1006
mongoose.conf	03-Feb-2020 15:26	930

Mongoose/6.5

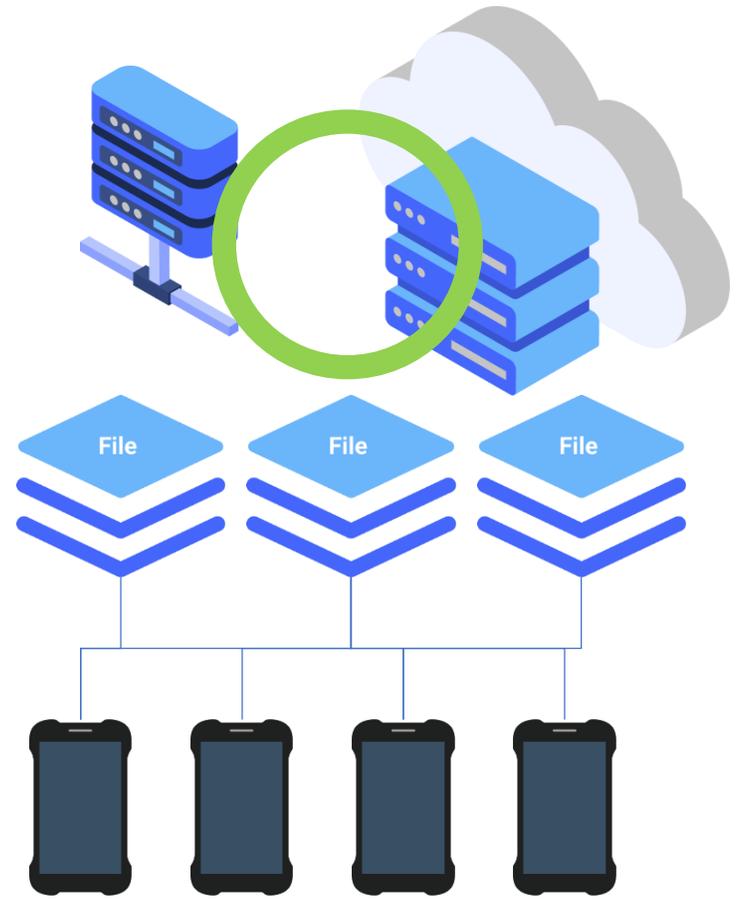
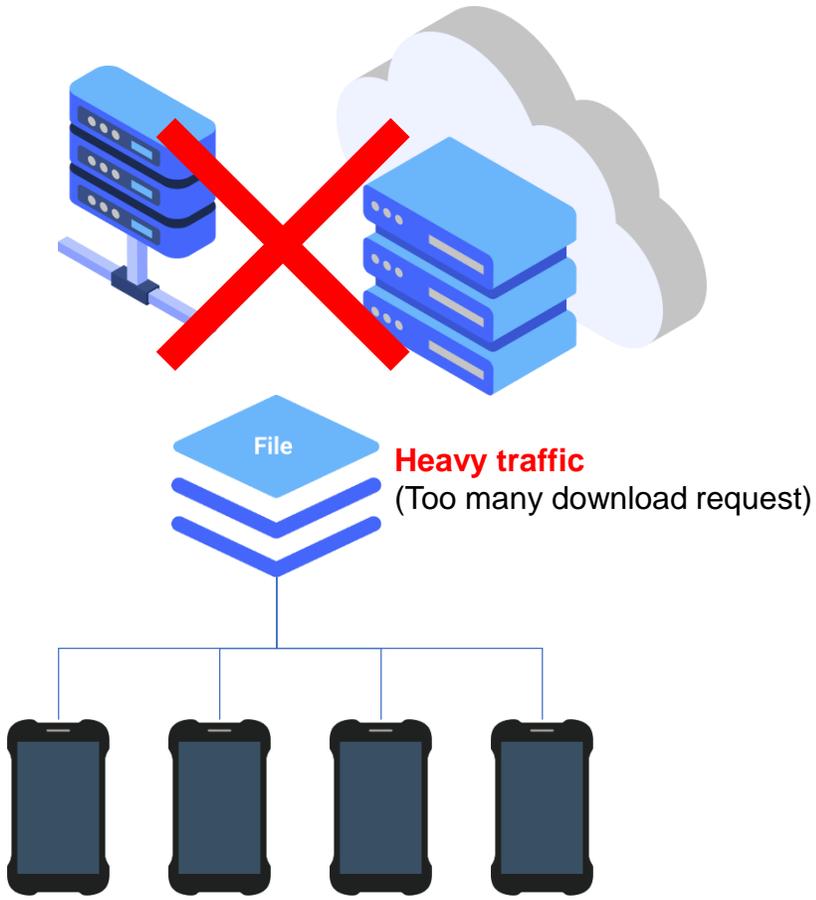
3. **Right click** the file which you would like to use for provisioning process and click **Copy link**



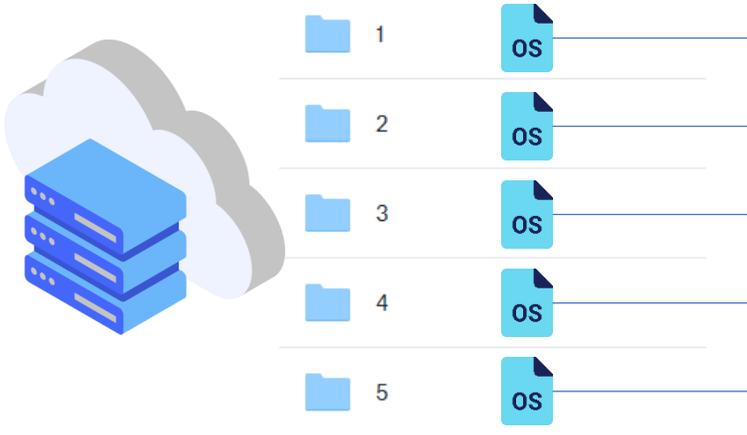
4. Paste URL into Scan2Stage PC Tool



OS update file could be locate internal server or cloud.
Please consider download request from the Point Mobile device per single file and overall speed
IT admin can create a multi download path for OS update. This will reduce download traffic



When IT admin set OS download URL in the Scan2Stage as below, **Point Mobile device will randomly pick one of the download link**



OS Version

Version

DownloadUrl

```
https://www.dropbox.com/s/31gf9h73tej9u6n/85_02_02B2_20190807.PFU?dl=1
https://www.dropbox.com/s/lhuk8jq851p0xa1/85_02_02B2_20190807.PFU?dl=1
https://www.dropbox.com/s/s0ormgt1h1yid2/85_02_02B2_20190807.PFU?dl=1
https://www.dropbox.com/s/wokmeij6tjhr5g/85_02_02B2_20190807.PFU?dl=1
https://www.dropbox.com/s/8079jmlxvh3iev6/85_02_02B2_20190807.PFU?dl=1
```

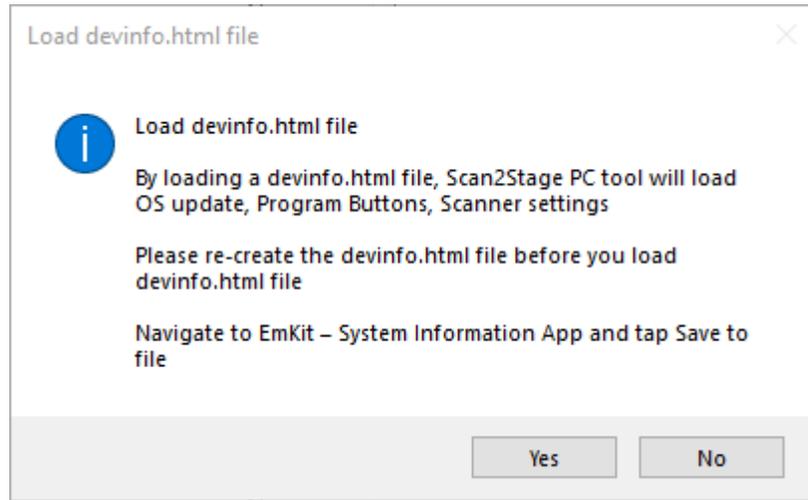
Update Action

Factory Reset

Scanner Factory Reset

User Bypass Update

IT admin may lost the json file or want to load Point Mobile device's setting which applied now.
From Scan2Stage **10.0.3** version, we add **Load devinfo.html** feature

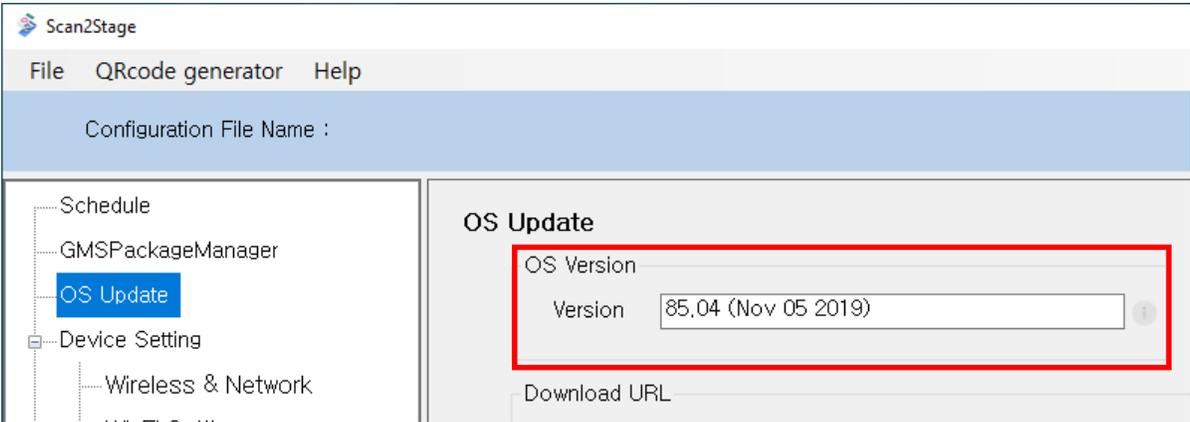


This function will apply OS information, Program buttons setting.
And Scan2Stage **detect SKU information** from the devinfo.html and guide **right option for IT Admin**

Note 1: When you want to load the devinfo.html, please **re-create** this file from the device and copy to your PC

Note 2: Because loading devinfo.html reset all changed settings, load devinfo.html before changing any configuration.

Scan2Stage check devinfo.html file's OS version and then apply latest OS version after communicate with FOTA server



If device is Wi-Fi SKU, Scan2Stage changes UI or disallow setup some menu

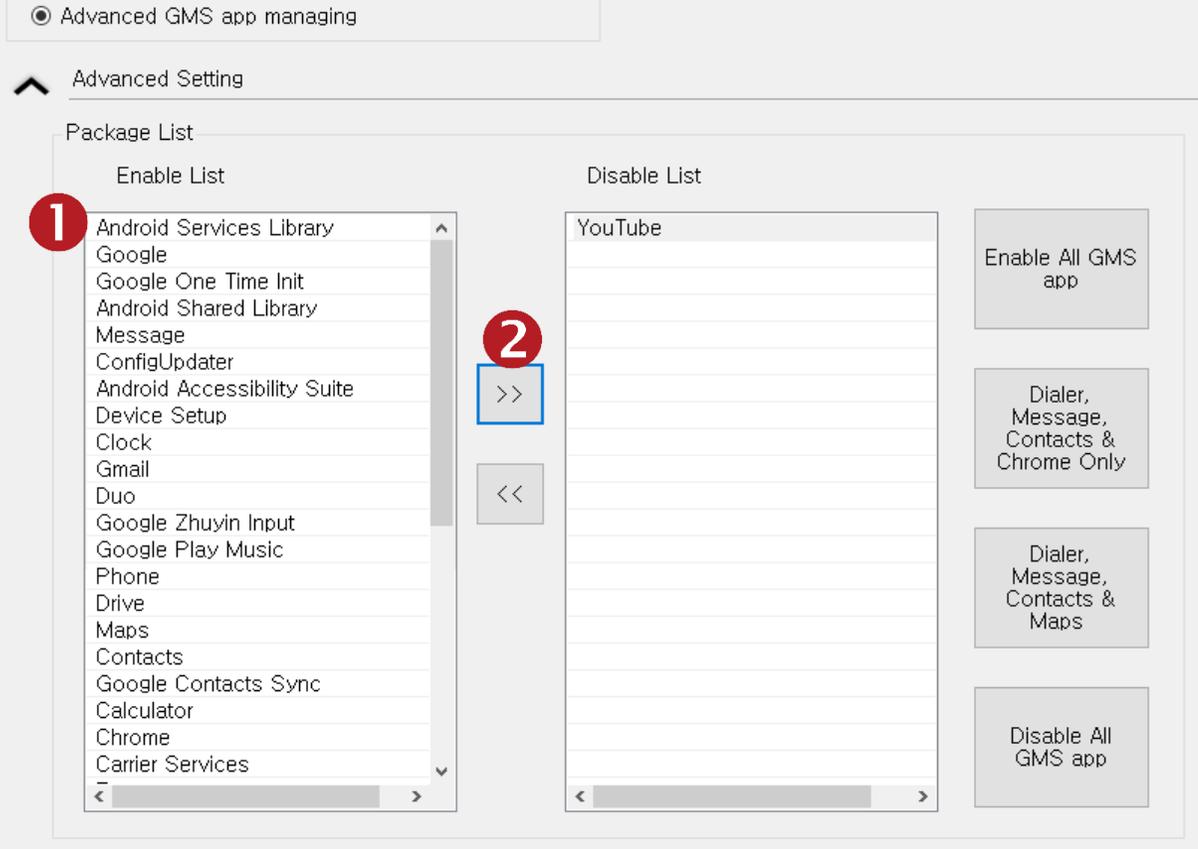


If IT admin wants to add specific EmKit app into EmKiosk or hide some app in EmKit folder, please use below package name and activity information

Application Name	Package Name	Activity Name
EmKit	device.apps.emkit	device.apps.emkit.EmKitActivity
Power Launcher	device.apps.launcherlock	device.apps.launcherlock.LauncherLockActivity
Program Buttons	device.apps.button	device.apps.button.ProgramButtonsActivity
Direct Clone	device.apps.pmbackup	device.apps.pmbackup.BackupRestoreActivity
LogTrace	device.apps.logtrace	device.apps.logtrace.MainActivity
Scan2Set	device.apps.scan2set	device.apps.scan2set.MainActivity
ScanSetting	device.settings.scanner	device.settings.scanner.ScanSettingsActivity
System Information	device.apps.systeminformation	device.apps.systeminformation.SystemInformationActivity
Take Bug Report	device.apps.bugreport	device.apps.bugreport.BugReportActivity
Touch Sensitivity	device.apps.touchsensitivity	device.apps.touchsensitivity.ShortcutActivity
GPS Demo	device.demo.gpsdemo	device.demo.gpsdemo.GpsDemoActivity
Image Demo	device.demo.imager	device.demo.imager.ImageDemoActivity
MultiScanDemo	device.demo.multiscan	device.demo.multiscan.MultiScanDemoActivity
Ping Demo	device.demo.ping	device.demo.ping.PingDemoActivity
Print Demo	device.demo.printer	device.demo.printer.PrintDemoActivity
Scan Demo	device.demo.scanner	device.demo.scanner.ScanDemoActivity
AirWatch link	device.apps.linkairwatch	device.apps.linkairwatch.LinkAirWatchActivity
Mobicontrol Installer	net.soti.mobicontrol.pointmobile.installer	net.soti.mobicontrol.ui.InstallerSplashActivity
Teamviewer link	device.apps.linkteamviewerqsaddon	device.apps.linkteamviewerqsaddon.LinkTeamViewerQSAddonActivity

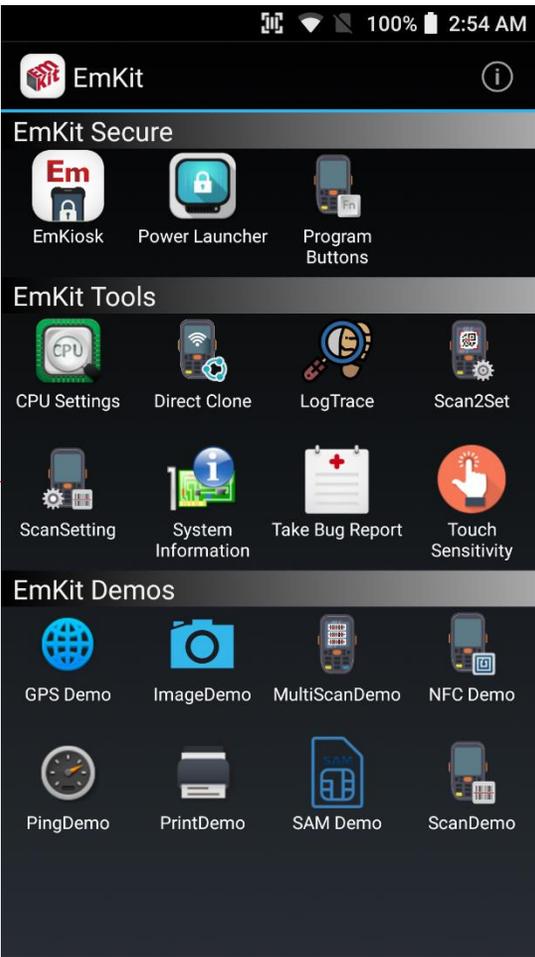
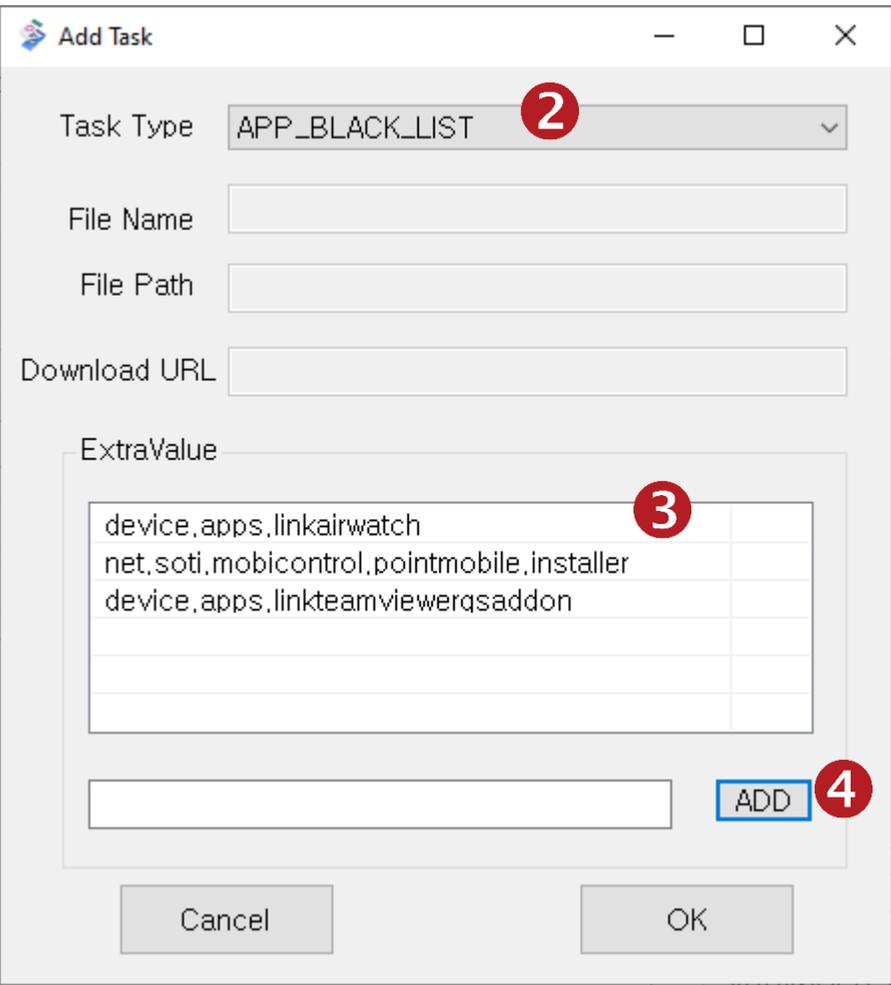
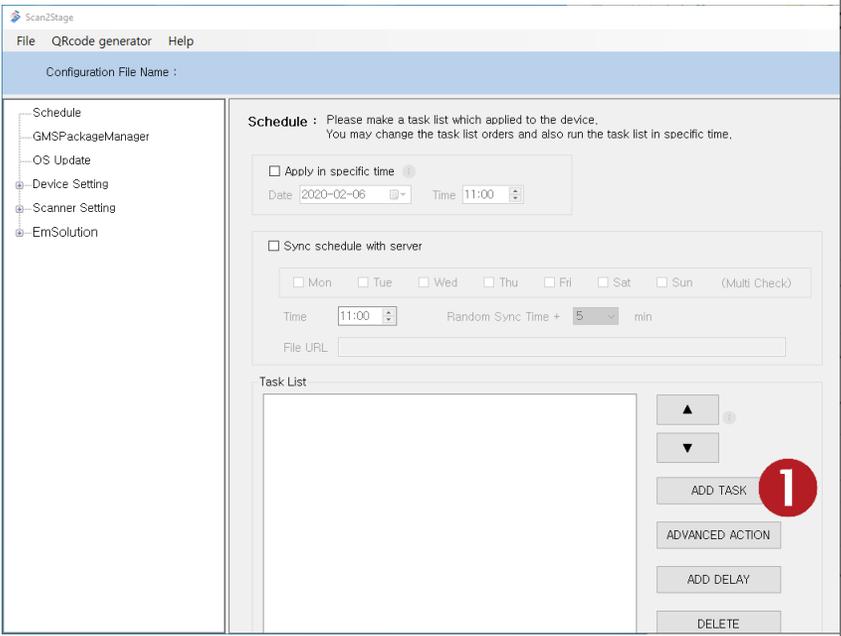
- 1. Disable app from Google. E.g. YouTube
→ Use **GMSPackageManager** – Advanced GMS app managing menu

Please find YouTube in the Enable List and click >> button to move YouTube into Disable List



2. Disable some EmKit app
→ Use Task – **App Black List** function

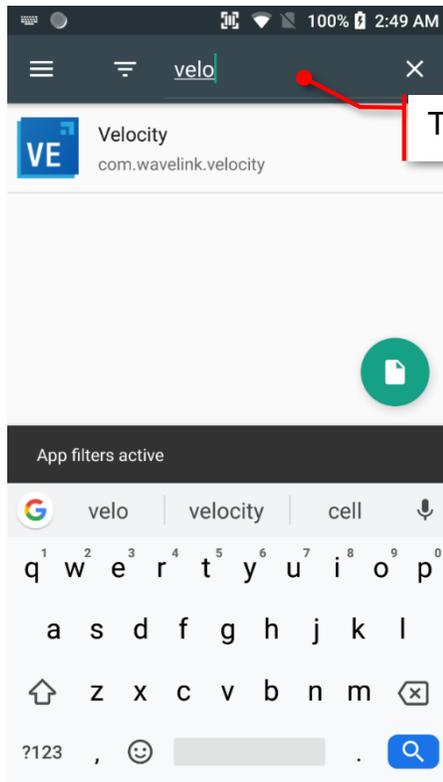
Navigate to Schedule → Task List → Add Task
Input **App package name** and then click ADD button



Appendix VI : App's package name and Activity

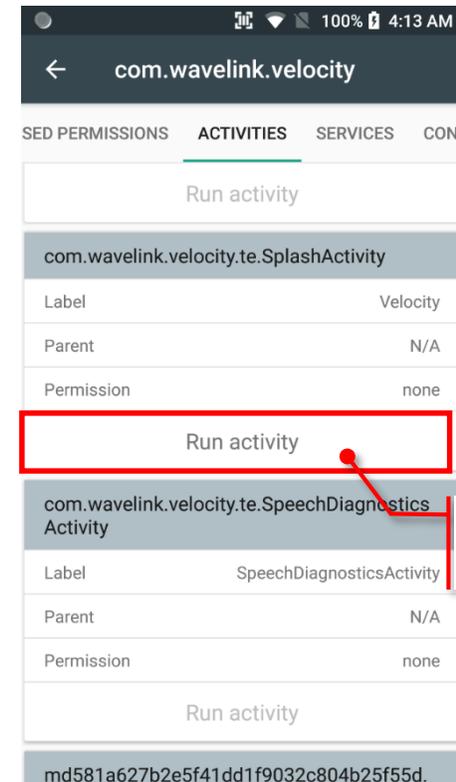
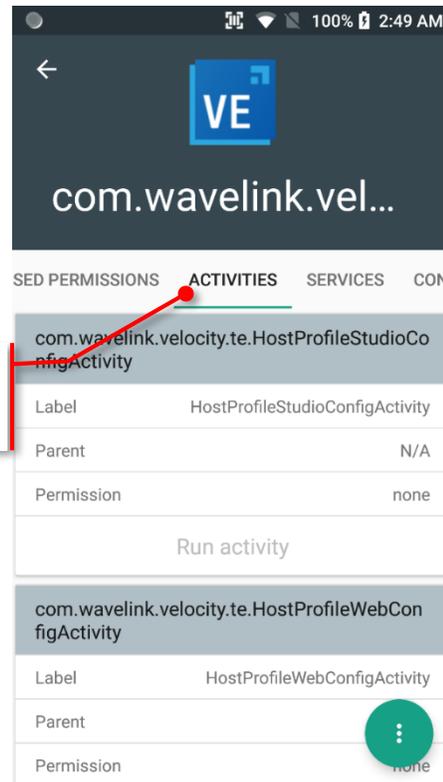
Scan2Stage requires App's package name or Activity in some UI but it is difficult to know this kind of information. Please use **Apk Analyzer App** to find package name and activity

1. Access to Point Mobile [Dropbox folder](#) and download Apk Analyzer apk file
 2. Install the apk file to the Point Mobile device and launch
 3. Search the app which you want to take the package name and activity
- App may have more than one activity. Please check with Run activity function.
 If IT admin did not input right package name and activity name, EmKiosk would not display the app icon



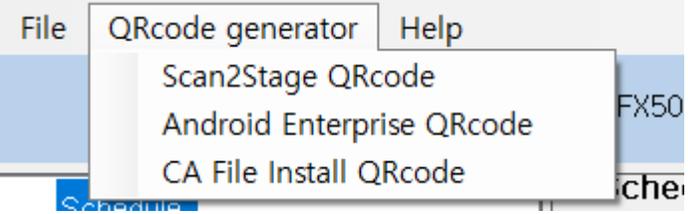
Type App name

Touch **ACTIVITIES** tab



Check with **Run activity** function first

Default setting of QRcode generator menu links are redirecting to Point Mobile web site
IT admin may want to use another QRcode generator or want to use it in a local network



Navigate to Scan2Stage PC tool package and modify the QRcodeUrl.config file
IT admin could change the URL value

