

**M3 MOBILE**

# SM10 APPLICATION MANUAL



**Applications for M3 Mobile SM10**

**Version: 1.0.0**

**Release Date: 14 Mar, 2016**

[www.m3mobile.net](http://www.m3mobile.net)

**Copyright © 2015 M3 MOBILE. ALL RIGHT RESERVED**

735-45, M3-Bldg., Yeoksam-dong, Gangnam-Gu, Seoul, Korea 135-080,

**Tel.** +822 574 0037, **Fax.** +82 2 574 0292

<b>VERSION INFORMATION.....</b>	<b>3</b>
<b>CHAPTER 1. STARTUP GUIDE .....</b>	<b>4</b>
1. STARTUP SETTING PAGE.....	4
2. WI-FI SETTINGS.....	5
3. BLUETOOTH & DISPLAY SETTINGS.....	6
4. VOLUME .....	7
5. APK .....	7
6. STARTUP - XML.....	8
<b>CHAPTER 2. APPCENTER (M3 KIOSK LAUNCHER) .....</b>	<b>10</b>
1. FIRST VIEW OF THE PROGRAM.....	10
2. DEFAULT SETTING .....	11
3. LOGIN MENU IN USER MODE.....	11
4. LOGIN .....	12
5. ADMIN MODE IN USER MENU.....	13
6. MANAGE APPS.....	13
7. WALLPAPER.....	14
<b>CHAPTER 3. SCANEMUL.....</b>	<b>15</b>
1D TYPE SCANNER .....	15
1. GENERAL SETTINGS.....	15
2. READING OPTION .....	16
3. ETC .....	17
4. Code Type Settings.....	17
2D TYPE SCANNER .....	19
1. GENERAL SETTINGS.....	19
2. READING OPTION .....	20
3. PREFIX AND POSTFIX.....	21
4. Code Type Settings.....	21
<b>SERVICES .....</b>	<b>23</b>

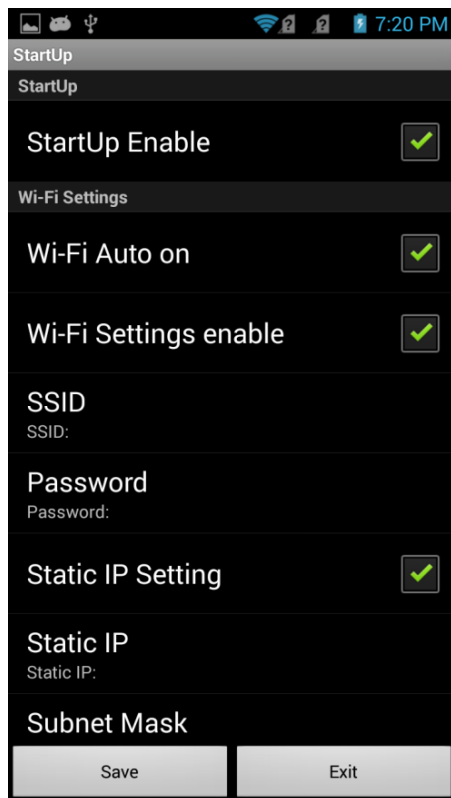
# Version Information

Ver 1.0.0 (20160315)

MODULE	PROGRAM	VERSION	DATE
StartUp	StartUp.apk	Ver 1.0.2	2015-12-18
AppCenter	AppCenter.apk	Ver 1.0.0	2015-08-12
ScanEmul	ScanEmul [included in OS v1.1.0]	Ver 1.1.0	2016-03-02

# Chapter 1. StartUp Guide

## 1. StartUp Setting Page



- StartUp
  - All the settings are applied when Save button's pressed.
  - StartUp Enable: Decide all the configuration parameters when reboot.
  - Save: Saving the StartUp program settings
  - Exit: Exit the program and execute the saved settings

## 2. Wi-Fi Settings

StartUp

Wi-Fi Auto on ☒

Wi-Fi Settings enable ☒

SSID  
SSID:

Password  
Password:

Static IP Setting ☒

Static IP  
Static IP:

Subnet Mask  
0 ~ 32 Integer value:

Gateway  
Gateway:

Domain Name Server  
Domain Name Server:

Save Exit

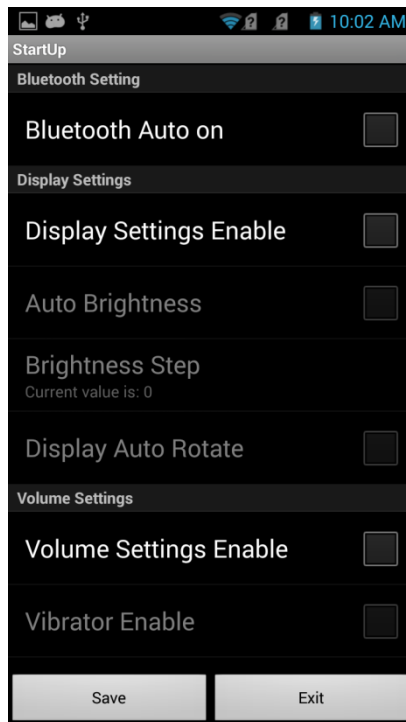
- Wi-Fi Settings

- Wi-Fi Auto on: Wi-Fi AutoOn when reboot.
- Wi-Fi Settings enable: Allow to the provision Wi-Fi setting can access an AP. 'Wi-Fi AutoOn on' should be enabled.
- SSID: Access to SSID(*Be careful of Upper/Lower case letter.*)
- Password: Input PW for the SSID.
- Static IP Setting: Enable Static IP setting.
- Static IP: Input Static IP address.
- Subnet Mask: Input Subnet Mask.(0~32)

Notation	Netmask
0	0.0.0.0
8	255.0.0.0
16	255.255.0.0
24	255.255.255.0
25	255.255.255.128
32	255.255.255.255

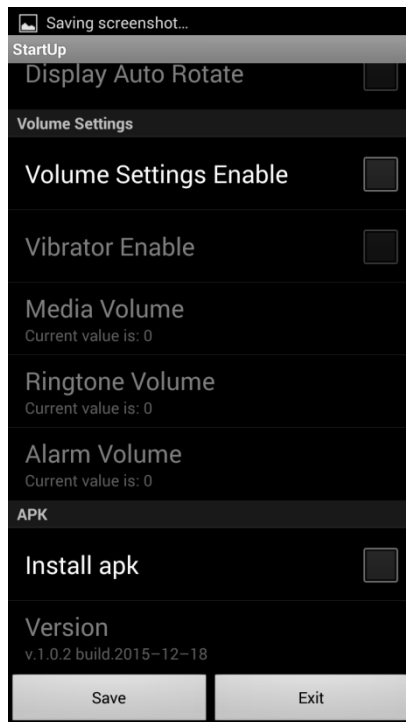
- Gateway: Input Gateway address.
- Domain Name Server: Input DNS address.

### 3. Bluetooth & Display Settings



- Bluetooth Setting
  - Bluetooth Auto on: Bluetooth AutoOn when reboot.
- Display Settings
  - Display Settings Enable: Allow to Display Setting.
  - Auto Brightness: Brightness's adjusted by light condition automatically.
  - Brightness Step: Adjust Brightness.
  - Display Auto Rotate: Automatically display rotated between portrait and landscape.

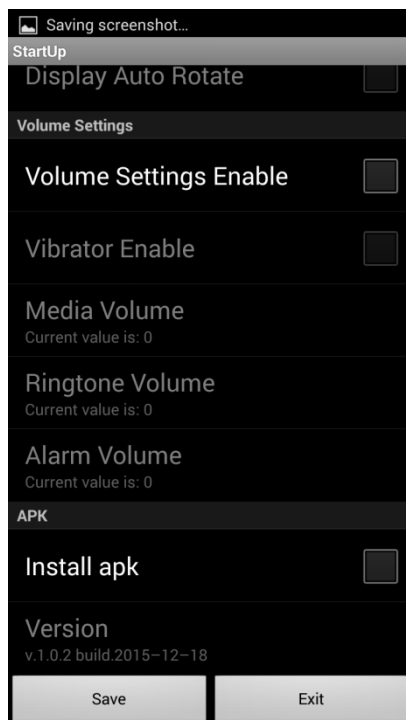
## 4. Volume



- Volume Settings

- Volume Settings Enable: Allow to Volume Control when reboot.
- Vibrator Enable: Vibrator enabled when reboot.
- Media Volume: Media Volume can be set.
- Ringtone Volume: Ringtone Volume can be set.
- Alarm Volume: Alarm Volume can be set.

## 5. APK



- APK

- Install .apk: Install APK files when boot. If you check the 'Install apk', Add APK file path form appears then you can add wanted apk files  
Once saved, xml file's updated so you can deploy the master xml files to other devices which are needed same configurations
- Caution : To use this feature, please check 'Unknown Source' from developer option.(Run phone App – Type \*#991#)

If an APK file version is not newer than existed one, it won't be installed.

## 6. StartUp – XML

StartUp configuration also can be modified with XML file. Xml is located in '/Android/data/com.m3.startup/m3.xml' after Startup.apk file installed.

-m3.xml example)

```
<startup enable="true" />
<wifi-enable enable="false" />
<wifi-setting enable="false" ssid="m3mobile" password="1q2w3e4r5t" wifi-static="false"
wifi-static-ip="172.168.50.11" wifi-static-mask="24" wifi-static-gateway="172.168.50.1" wifi-
static-dns="168.126.63.1" />
<bluetooth-enable enable="true" />
<display-setting enable="true" auto="false" rotate="false" brightness-step="0" />
<volume-setting enable="false" volume-vib="false" media-step="0" ringtone-step="0"
alarms-step="0" />
<apk-install enable="true" apk-count="1" apk-path-0="/storage/sdcard0/Download/antutu-
benchmark-v6.apk" />
```

- Startup
  - enable: true or false value determines startup application.
- wifi-enable
  - enable: true or false value determines Wi-Fi 'Always-on'.
- wifi-setting
  - enable: true or false value determines AP access configuration Info..
  - ssid: SSID name set.
  - password: SSID Password set.
  - wifi-static: true or false value determin static IP use.
  - wifi-static-ip: Static IP set.
  - wifi-static-mask: Subnet Mask set.
  - wifi-static-gateway: Gateway set.
  - wifi-static-dns: Domain Name Server ip set.
- bluetooth-enable
  - enable: true or false, determines Bluetooth's Always-on enable or disable.
- display-setting
  - enable: true or false, determines Display Setting enable or disable.
  - auto: true or false, determines Auto-Brightness enable or disable.
  - rotate: true or false, determines Display Auto Rotate enable or disable.



- brightness-step: 0~255, Brightness value set.
- volume-setting
  - enable: true or false, determines Volume-setting enable or disable.
  - volume-vib: true or false, determines vibrator enable or disable.
  - media-step: 0~15, Media Volume set.
  - ringtone-step: 0~7, Ringtone Volume set.
  - alarms-step: 0~7, Alarm Volume set.
- apk-install
  - enable: true or false, determines apk install enable or disable
  - apk-count: set the count of installing apk.
  - apk-path-n: set the apk file path.

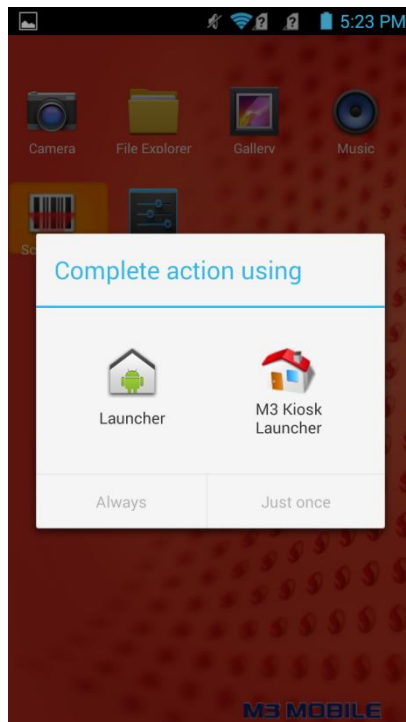
# CHAPTER 2. APPCENTER (M3 KIOSK LAUNCHER)

## 1. First view of the program



- Main Screen
  - Arrange allowed applications in categories on Home Screen.
  - Inactivate drag down the status bar in User Mode.(System setting mode's untouchable).

## 2. Default Setting

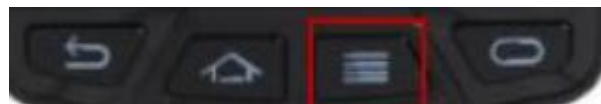


- Initial settings
  - Select below 2 steps for autorun of the 'AppCenter'.
    - Pressed Home Button: 'M3 Kiosk Launcher' – Always Click
    - Reset Device: 'M3 Kiosk Launcher' – Always Click
  - Roll back: Settings – Apps – M3 Kiosk Launcher – Clear defaults

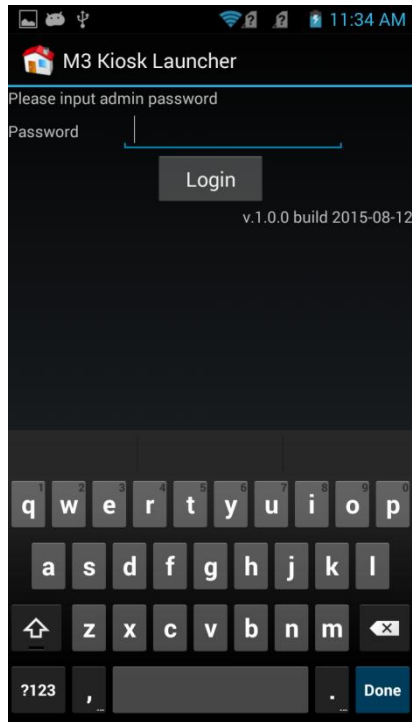
## 3. Login Menu in User Mode



- Login Menu
  - Press physical menu button then login icon shown up in User mode.



## 4. Login



- Login

- Input the Password to enter Admin Mode.
- Default Password is 'mobile'.
- Password change – Modify and replace the xml file in the Internal storage as below.

'/Android/data/com.m3.appcenter/appcenter\_login.xml'.

- appcenter\_login.xml

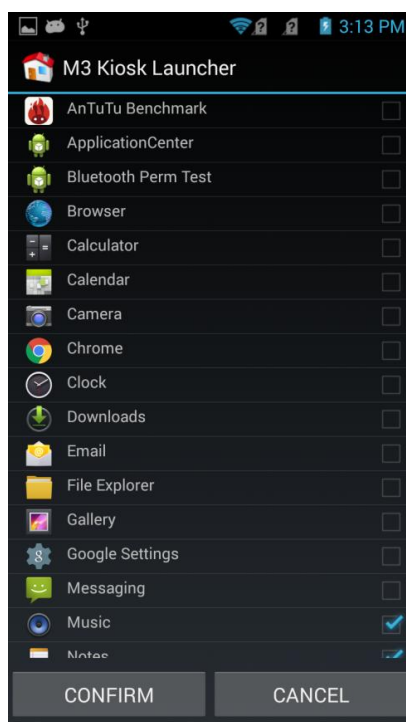
```
<?xml version="1.0" encoding="UTF-8"
standalone="true"?>
<password value="mobile"/>
```

## 5. Admin Mode in User Menu



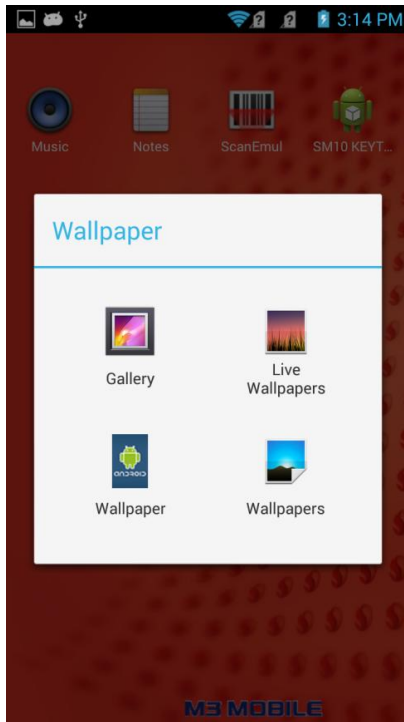
- Admin Mode
  - Able to set 'Manage Apps', 'Wallpaper', 'Settings' in Admin Mode.
  - Logout: Back to user mode from Admin mode.
  - Activated drag down status bar

## 6. Manage Apps



- Manage Apps
  - Managing Apps on Home Screen.
  - This setting's saved into Internal storage as below.  
`/Android/data/com.m3.appcenter/m3appcenter.xml`.

## 7. Wallpaper

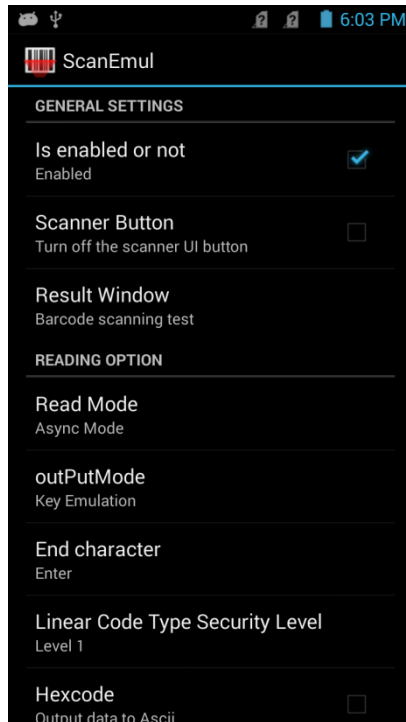


- Wallpaper
  - Change the background home image.
  - Live Wallpapers cannot be used.

# Chapter 3. ScanEmul

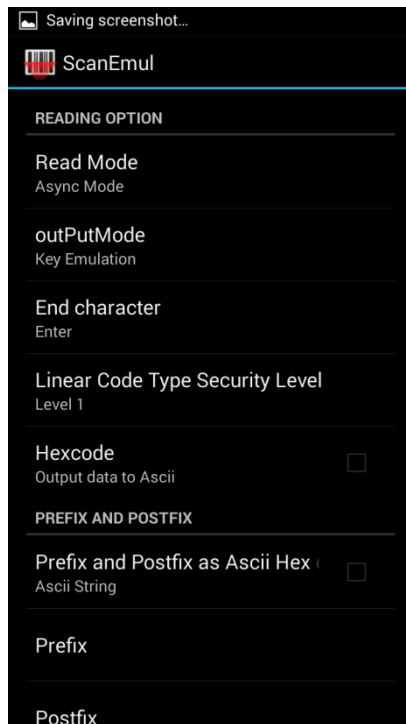
## 1D Type Scanner

### 1. GENERAL SETTINGS



- Is enabled or not : Scanner Activate or Deactivate.
- Scanner Button : Scanner beam button's appeared on screen.
- Result Window : Barcode type and data can be tested.

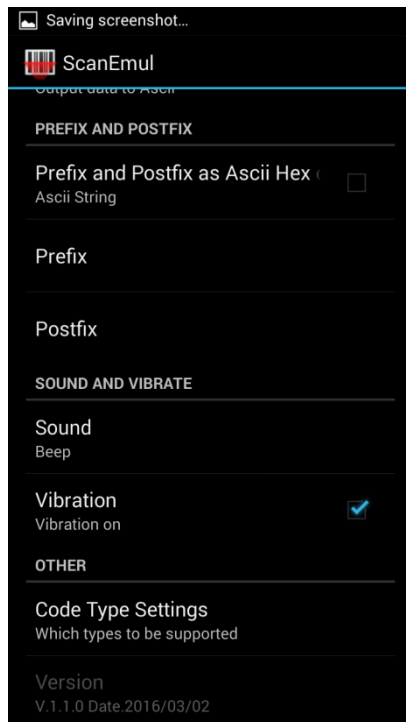
## 2. READING OPTION



- Read Mode
  - ✓ Async : Emits beam while the scan button is pressed.
  - ✓ Sync : Emits beam for 3 sec.
  - ✓ Continue : Beam keeps emitting after a successful scan.
- outPutMode : Output method after reading.
  - ✓ Copy and Paste : Outputs the result to clipboard and paste.
  - ✓ Key Emulation : Outputs the result as keyboard type.
  - ✓ None(Clipboard) : Outputs the result to clipboard.
- End character : End command at the end of barcode data.  
Example)
  - ✓ Enter : Enter command after reading.
  - ✓ Keyboard Enter : Keyboard Enter command after reading.
- Linear Code Type Security Level : Determines how many successful read(s) confirm the result. Ex) 2 means it needs to successfully read the barcode twice to output the result.
- Hexcode : Output data result can be Hexcode.

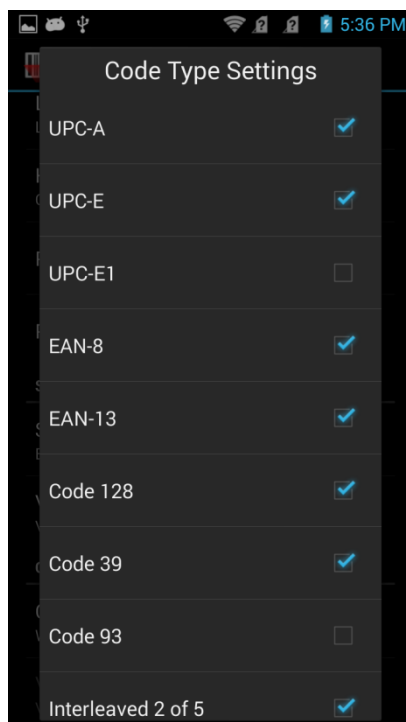


### 3. ETC



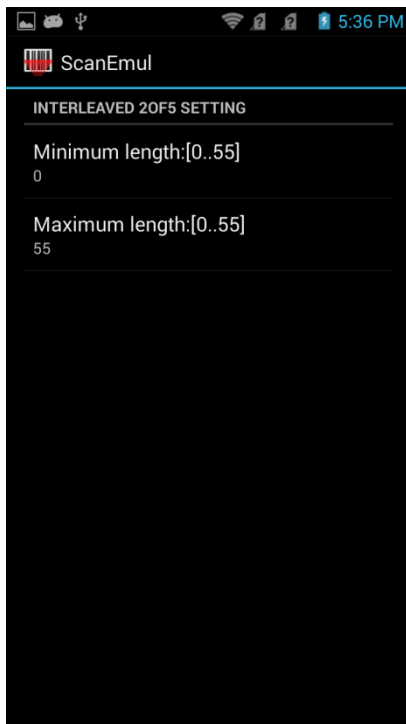
- Prefix and PostFix
  - ✓ Prefix and Postfix as Ascii Hex : Prefix or Postfix can be used for general control command as Ascii Code (/w Hexcode input) such as escape code.
    - ◆ Ex) 0A31 – 0A: line feed, 31: '1'
    - ◆ Ascii code reference (<https://en.wikipedia.org/wiki/ASCII>)
  - ✓ Prefix and Postfix : Enter character at the front or end of barcode data.
- Sound and Vibrate
  - ✓ Sound : Reading sound after reading.  
Ex) None, Beep, DingDong.
  - ✓ Vibration : Vibration after reading.

### 4. Code Type Settings



- Code Type : Wanted Code Type can be Enable/Disable.

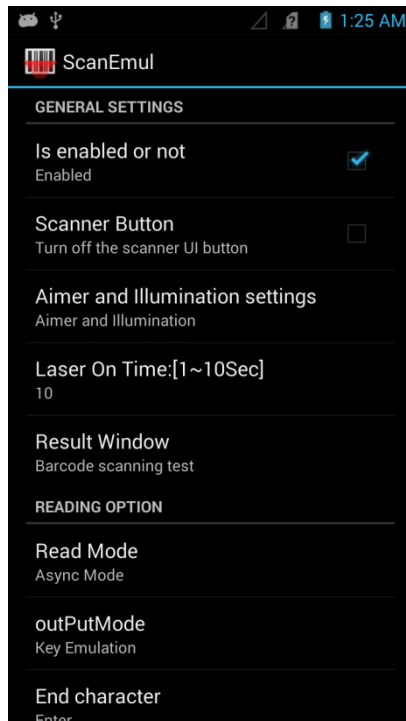
#### 4-1. Interleaved 2 of 5 Setting



- Interleaved 2 of 5 has additional option (Min/Max length : 0-55) when it's activated.

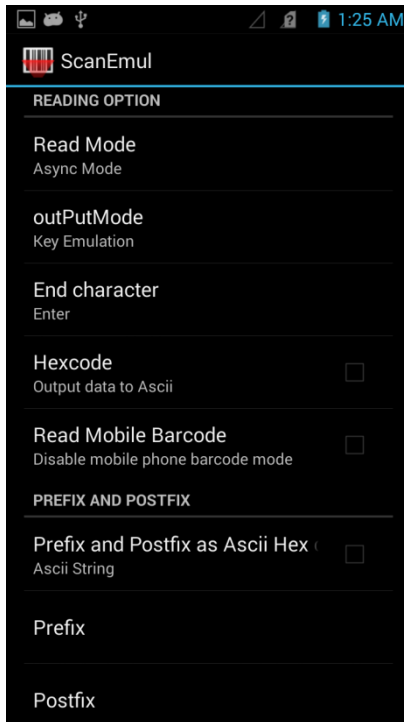
## 2D Type Scanner

### 1. GENERAL SETTINGS



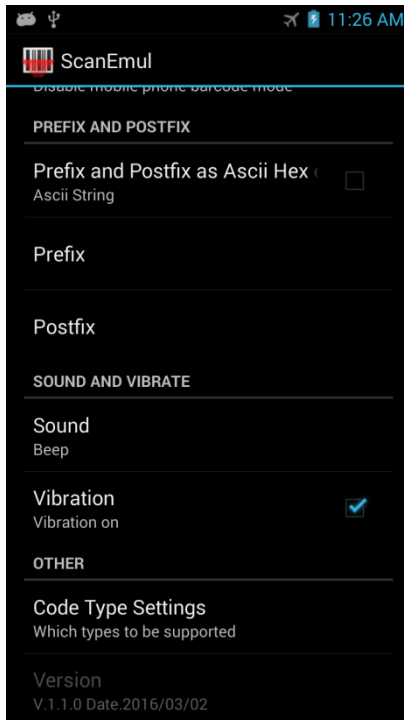
- Is enabled or not : Scanner Activate or Deactivate.
- Scanner Button : Scanner beam button's appeared on screen.
- Aimer and Illumination settings :
  - ✓ Aimer and Illumination
  - ✓ Aimer only
  - ✓ Illumination only
- Laser On Time : Timeout period of emit beam. (1~10 Seconds)
- Result Window : Barcode type and data can be tested.

## 2. READING OPTION



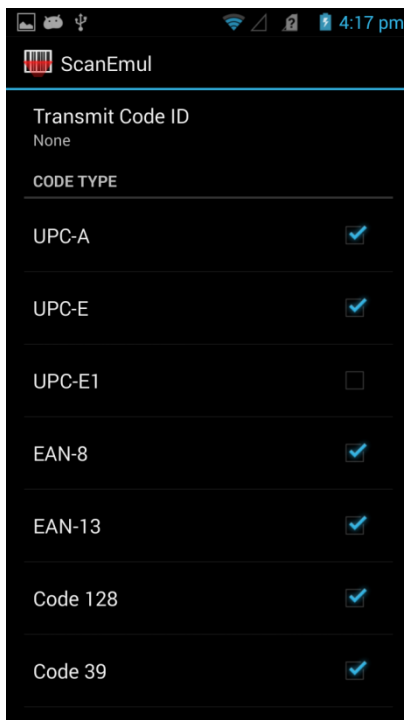
- Read Mode
  - ✓ Async : Emits beam while the scan button is pressed.
  - ✓ Sync : Emits beam for Timeout period.
  - ✓ Continue : Beam keeps emitting after a successful scan.
- outPutMode : Output method after reading.
  - ✓ Copy and Paste : Outputs the result to clipboard and paste.
  - ✓ Key Emulation : Outputs the result as keyboard type.
  - ✓ None(Clipboard) : Outputs the result to clipboard.
- End character : End command at the end of barcode data.  
Example)
  - ✓ Enter : Enter command after reading.
  - ✓ Keyboard Enter : Keyboard Enter command after reading.
- Hexcode : Output data result can be Hexcode.
- Read Mobile Barcode : Enhanced reading performance for LCD screen such as mobile phone barcode.

### 3. PREFIX AND POSTFIX



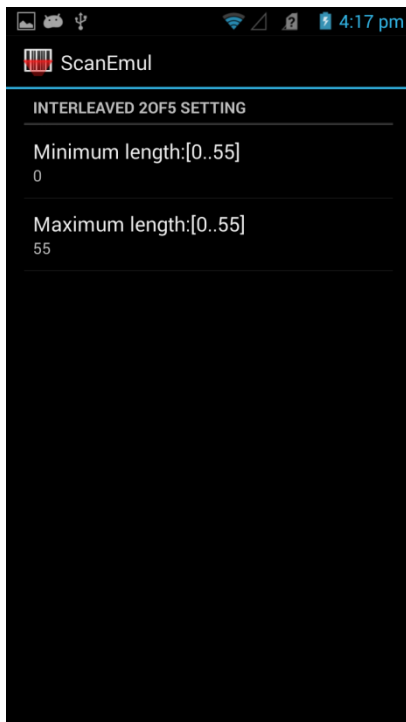
- Prefix and PostFix
  - ✓ Prefix and Postfix as Ascii Hex : Prefix or Postfix can be used for general control command as Ascii Code (/w Hexcode input) such as escape code.
    - ◆ Ex) 0A31 – 0A: line feed, 31: '1'
    - ◆ Ascii code reference (<https://en.wikipedia.org/wiki/ASCII>)
  - ✓ Prefix and Postfix : Enter character at the front or end of barcode data.
- Sound and Vibrate
  - ✓ Sound : Reading sound after reading.  
Ex) None, Beep, DingDong.
  - ✓ Vibration : Vibration after reading.

### 4. Code Type Settings



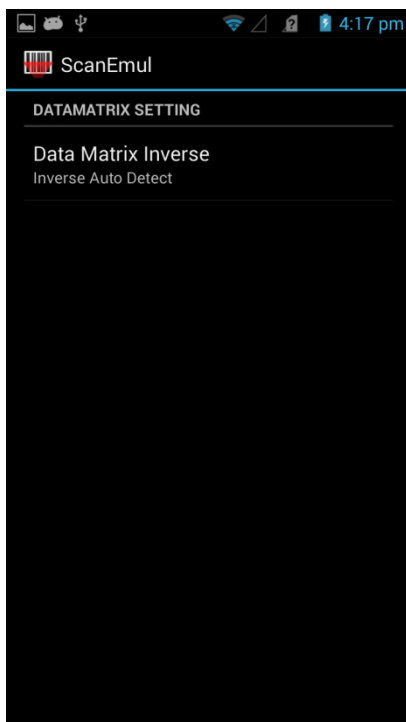
- Transmit Code ID : Output Code ID in front of data.
  - ✓ None
  - ✓ AIM code ID
  - ✓ Symbol Code ID
- Code Type : Wanted Code Type can be Enable/Disable.
  - ✓ Interleaved 2 of 5, Data Matrix have additional option.

#### 4.1. Interleaved 2 of 5 setting



- Interleaved 2 of 5 has additional option (Min/Max length : 0-55) when it's activated.

#### 4.2. Data Matrix Setting



- Data Matrix has additional option :
  - ✓ Data Matrix Inverse mode
    - Regular Only
    - Inverse Only
    - Inverse Autodetect

# Services

If you experience any trouble while using our product, you can visit **M3 Service center** or send enquires to our **online support web page** (<http://itc.m3mobile.net>), we will do our best to solve your trouble as soon as we can.

M3 FAQ document can help you with troubleshooting.

For any enquires about business program, please contact program provider for faster service.

## Contact details

### Headquarter

M3 Bldg., 735-45, Yeoksam-Dong, Gangnam-Gu, Seoul, 135-080, Korea

Tel: +82 2 574 0037 Fax: +82 2 558 1253

[www.m3mobile.net](http://www.m3mobile.net), [sales@m3mobile.co.kr](mailto:sales@m3mobile.co.kr)

### Factory / Service Center

Chun-ui Techno Park 201-610, 202, Chunui-Dong, WonMi-Gu, Buchoen, Gyeonggi-Do, 420-857, Korea

Tel: +82 32 623 0030, Fax: +82 32 623 0035

### Online Support Web page

<http://itc.m3mobile.net>