



For Android™ 7.1.2

# Enterprise Mobility PM45 User Manual

# User Manual

Please note your phone is battery-embedded design with removable battery and battery cover. Unauthorized personnel are strictly prohibited from disassembling the phone. Make sure to use only the power adapter (5V 2A Output AC/DC) that came with PM45.

In case your phone does not work as expected, you are strongly recommended to restart it by pressing and holding the power button for at least 8 seconds until the startup screen appears. If your phone has encountered a serious error and cannot be recovered, you should reset your phone to factory settings by using the menu, either “Backup & Reset”, or “Factory Reset”. For more details, please refer to “Factory data reset” section on page 90

**Note:** Please be cautious while performing the factory data reset. Because this will erase personalized settings and data saved in your phone, such as SMS, Contacts, Music, etc.



[www.sar-tick.com](http://www.sar-tick.com)

## Body-worn Operation

This device was tested for typical body-worn operations with the front & back of the phone kept 0.2 inches (0.5 cm) between the user's body and the front & back of the phone. A minimum separation distance of 0.2 inches (0.5 cm) must be maintained between the user's body and the front & back of the phone. Any belt clips, holsters, and similar accessories containing metallic components may not be used. Body-worn accessories that cannot maintain 0.2 inches (0.5 cm) separation distance between the user's body and the front & back of the phone, and have not been tested for typical body-worn operations should be avoided.



## PROTECT YOUR HEARING

To prevent possible hearing damage, do not listen at high volume levels for long periods. Exercise caution when holding your device near your ear while the loudspeaker is in use.

Rev 01

# Table of Contents

User Manual.....	1
Table of Contents.....	2
Getting Started.....	4
Major Parts.....	4
Accessory.....	5
Setup PM45.....	7
Charge PM45.....	11
Turn On/Off PM45.....	12
Learning the basics.....	13
Use a keypad.....	13
Use a touch screen.....	15
Setup Wizard.....	17
Home Screen, Apps and Widget.....	25
Status & Notifications Icons.....	36
Set a Lock screen.....	38
Manage a display.....	40
Make a call.....	45
Add to a contact.....	47
Send a message.....	51
Change a SIM card settings.....	54
Connect to your Wi-Fi network.....	57
Make a Wi-Fi hotspot.....	59
Connect with Bluetooth device.....	62
Use a Camera.....	65
Manage files and folders.....	68
MTP connection with PC.....	75
Change a Touch Sensitivity.....	78
Use a Google Assistant.....	82
OS Update.....	85
OS Image update from a Storage.....	85
OS Image update from the FOTA.....	87

Factory data reset ..... 90

    Factory data reset from Settings..... 90

    Force Factory data reset ..... 92

EmKit..... 96

    EmKit Secure ..... 97

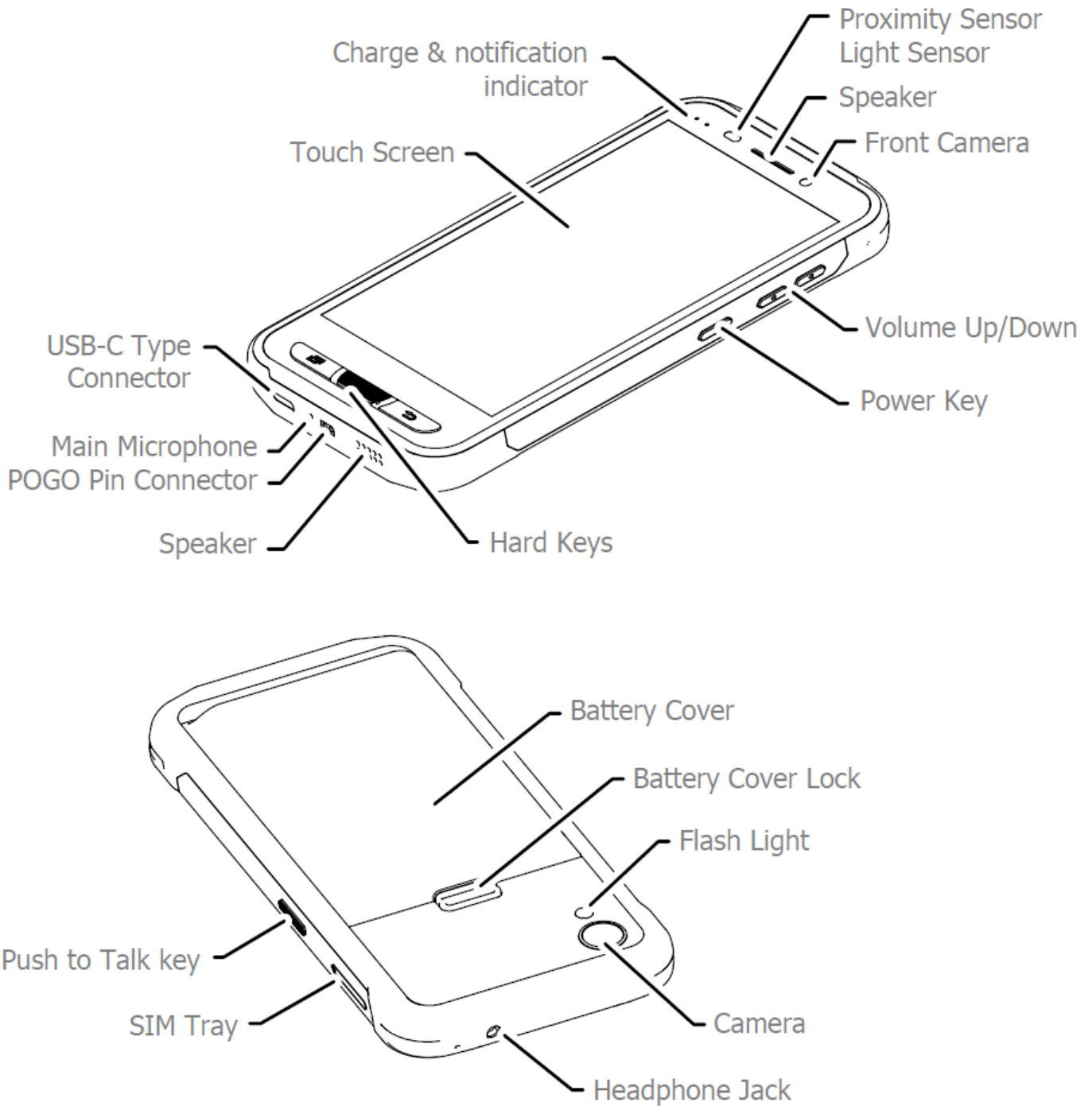
    EmKit Remote..... 100

    EmKit Tools ..... 108

    EmKit Demos ..... 116

# Major Parts

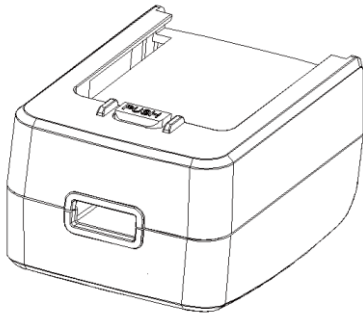
## Getting Started



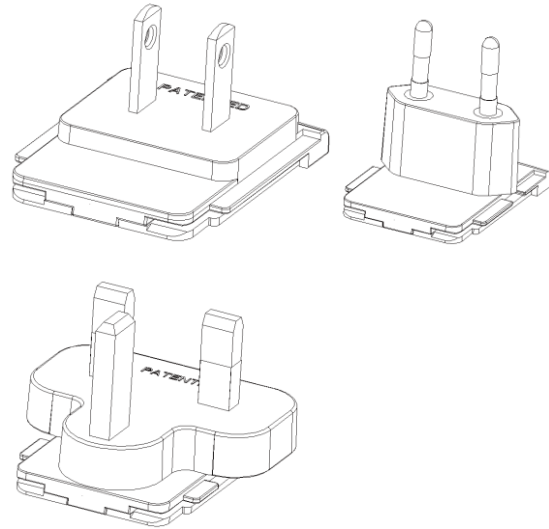
# Accessory

## Getting Started

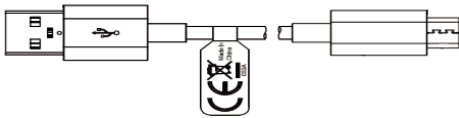
AC/DC adapter (5V2A)



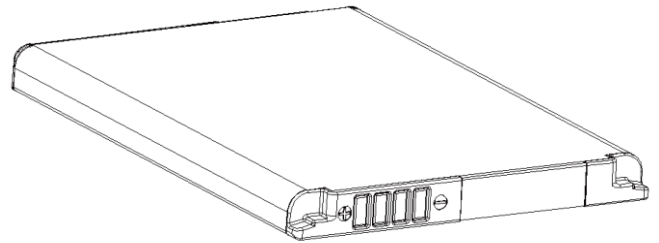
Plug (US/ EU/UK)



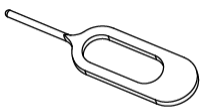
USB Type-C cable



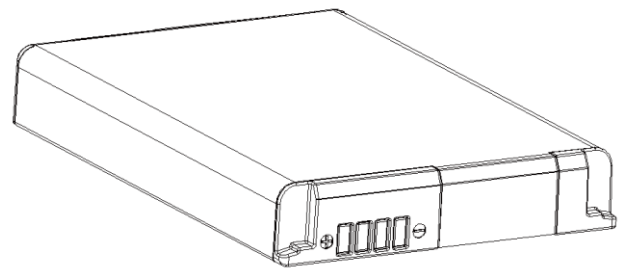
Standard Battery (2,900mAh)



SIM Tray Eject Pin



Extended Battery (5,800mAh)



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# Accessory

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## Getting Started

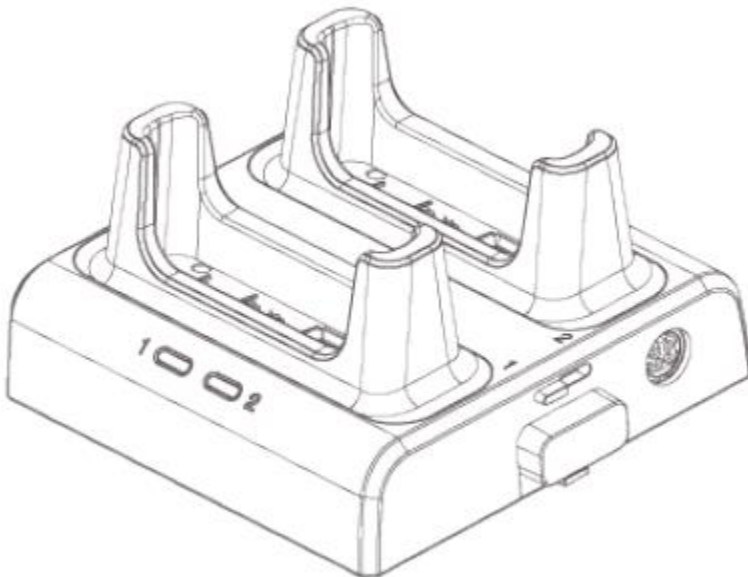
LCD Protection Film



### Optional Accessories

2 Slot Cradle

(Up to three 2 slot Cradles can be linked to charge 6 devices at a time)

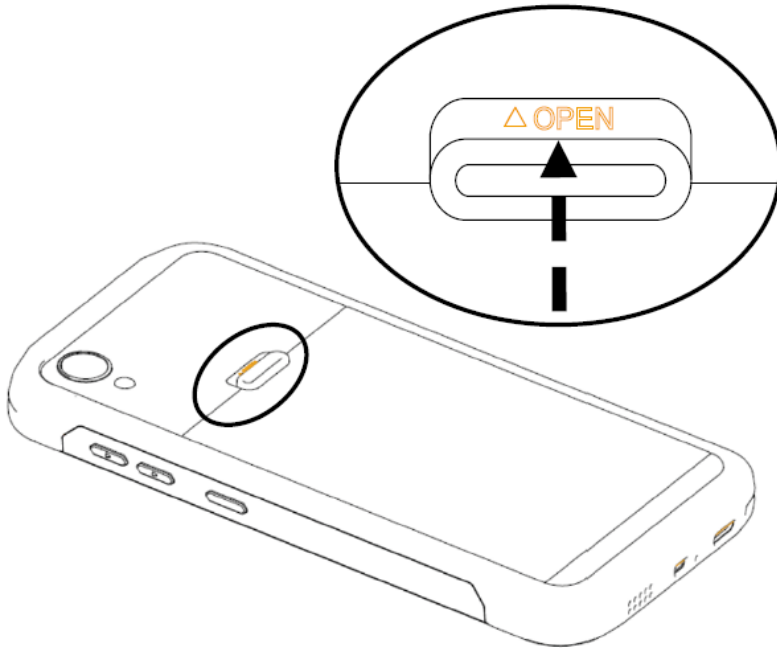


# Setup PM45

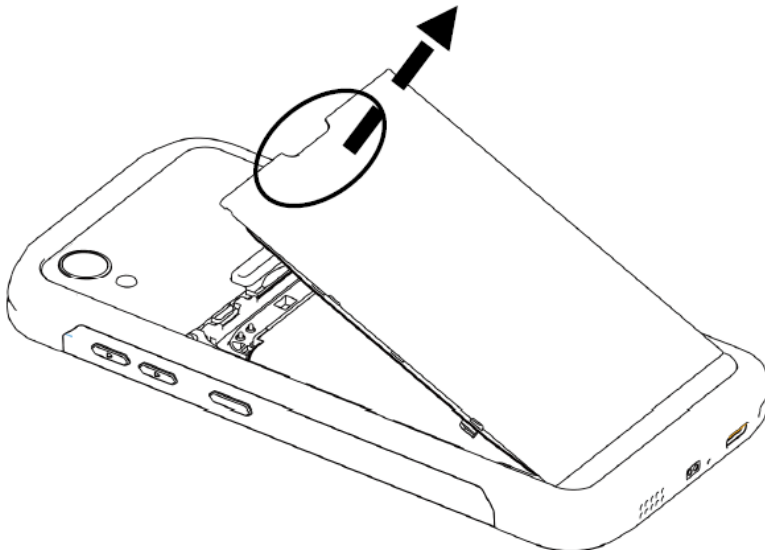
## Getting Started

### Remove the Battery Cover

1. Push up the Battery Cover Lock



2. Lift up the Battery Cover Lock



3. Remove the Battery Cover Lock

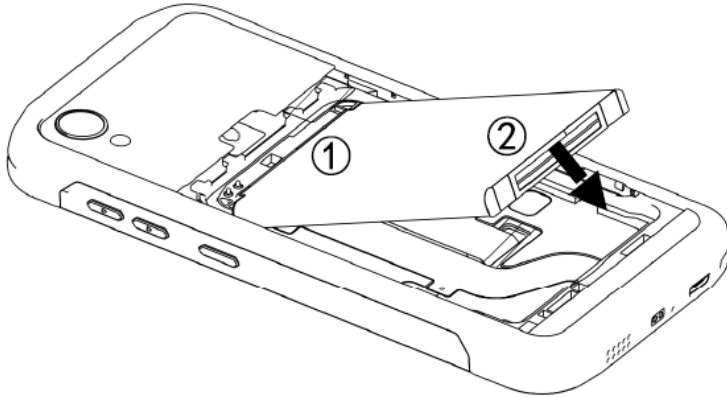


# Setup PM45

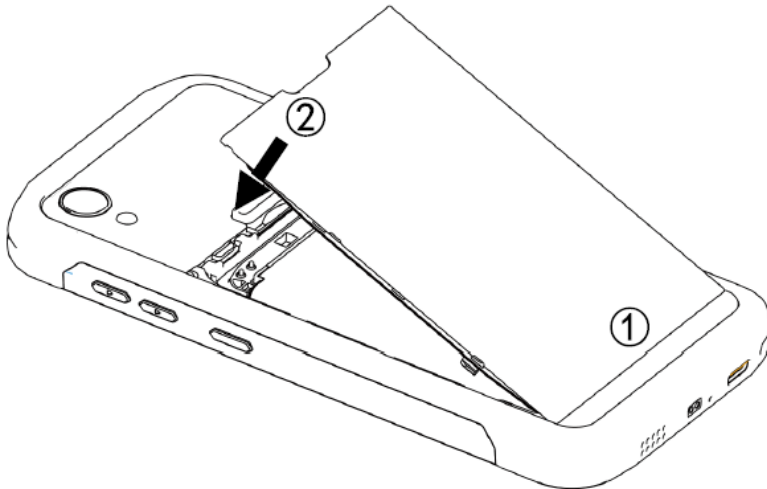
## Getting Started

### Insert the Battery

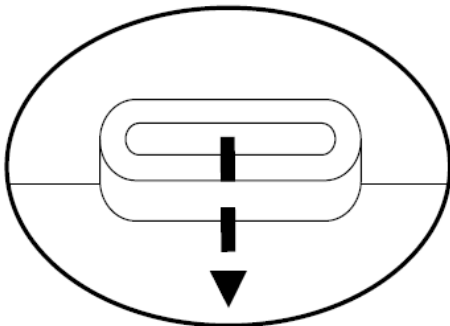
1. Insert Battery from the top first, and then put in the bottom



2. Insert the battery cover from the bottom first



3. Push down the battery cover lock

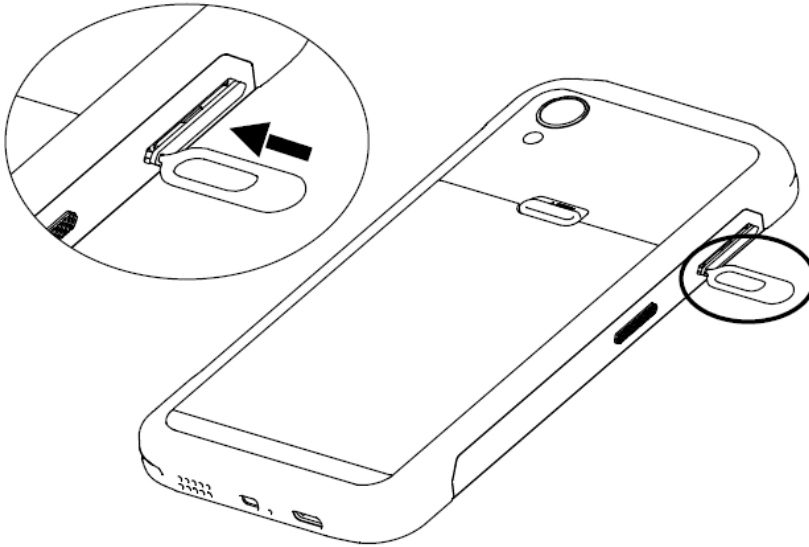


# Setup PM45

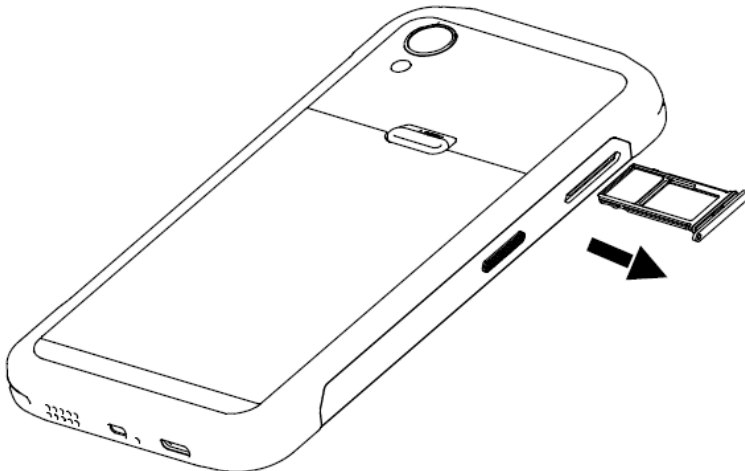
## Getting Started

### Install SIM card / microSD card

1. Insert the SIM Tray Eject Pin into the tray eject hole.



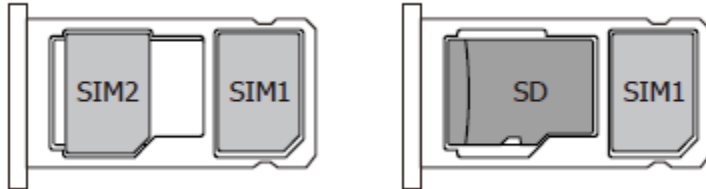
2. Push the pin all the way into the hole until the tray ejects, and then pull the tray out



## Setup PM45

## Getting Started

3. Insert the SIM/micro SD card into the slot. Please insert SIM card and SD Card as shown below. (PM45 is Dual SIM Dual Standby model)



Gold contacts should face down

**Note:** Your device only supports the Nano SIM cards. Do not insert a modified card which is thicker than the standard Nano SIM card. Modified card may damage the card slot.

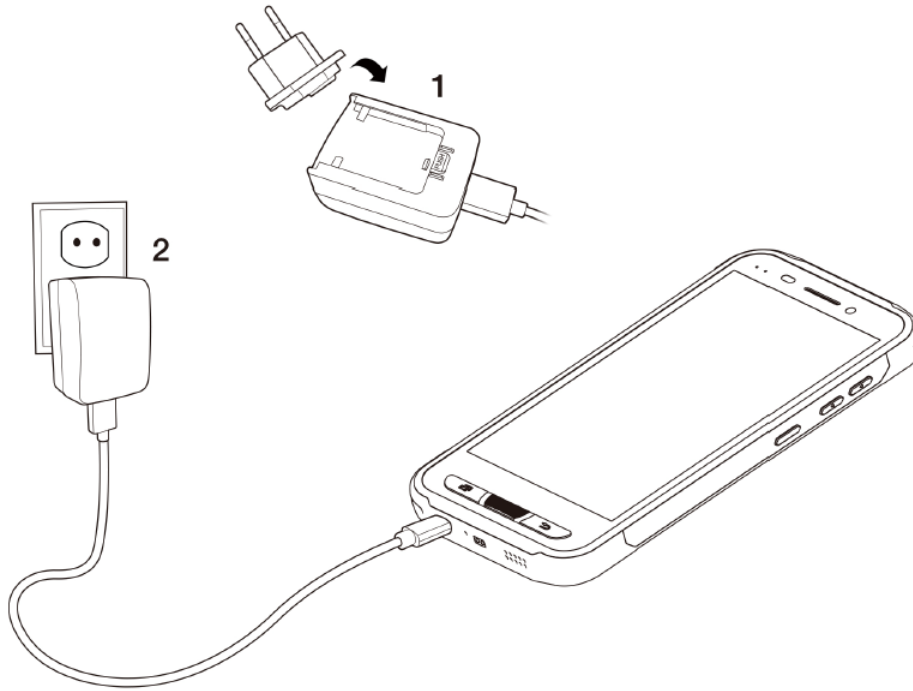
PM45 supports up to 32GB microSD card

4. Press on the cover of the tray to close it tightly.

## Charge PM45

## Getting Started

1. Insert USB Type-C cable into the adapter and connect to an electrical socket to charge first. Connect another side USB cable to the PM45. (You can also charge the PM45 with optional accessory such as cradle)



2. LED indicator will display charging status.

Steady Red	Battery is charging or Battery level is low
Blinking Red	Battery level is critical low
Steady Green	Battery is fully charged

Standard Battery	2,900mAh 3.85V
Backup Battery	5,800mAh 3.85V
Charging time	Standard Battery : About 4 hours Extend Battery : About 6 hours

**Note:** Always use an original charger and cable from the Point Mobile. Other chargers and cables may damage PM45. In addition, make sure connector, charger, cables are not wet.

# Turn On/Off PM45

## Getting Started

### Turn On

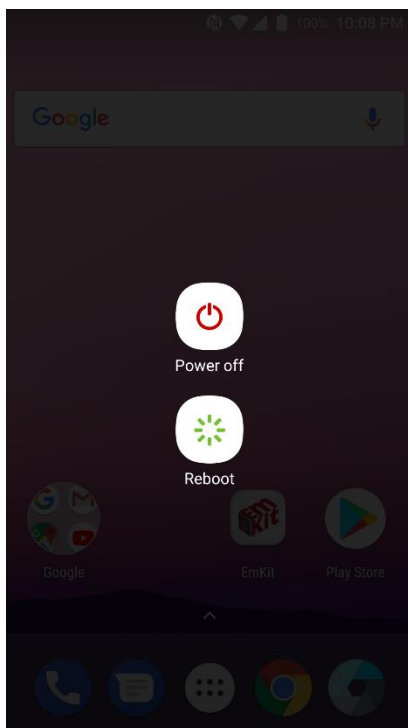
1. Press and hold the “Power Key” for a few seconds.
2. When PM45 enter to the boot mode, it will display “SMART BEYOND RUGGED” logo
3. Release the “Power Key” and wait until PM45 finish booting

**Note:** If you cannot turn on your PM45, try below steps

- To turn on PM45, battery needs to be charged certain level. Please charge first
- Press and hold the “Power key” for over 8 seconds to force reboot

### Turn Off

1. Press and hold the “Power Key” until you see the power menu

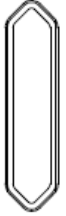


2. Touch “Power Off”

# Use a keypad

## Learning the basics

### Power key



Press

- Lock the screen / Light up the screen.

Press and hold

- Display the power menu “Power Off / Restart / Airplane mode”

Press and hold for over 8 seconds

- Forced to reboot

Press and hold the “Power” key and “Volume Down” key together

- Screen capture

### Volume keys



In general

- Adjusts the ringtone volume or “Mute” the ringtone of an incoming call.

In call mode

- Adjusts the earpiece or headset volume.

In Music / Video / Streaming

- Adjusts the media volume.



In camera preview

- Take the photo by pressing Volume Up or Down key.

### Push to Talk key (Programmable Key)



In general

- Run Push to Talk service
- Programmable key

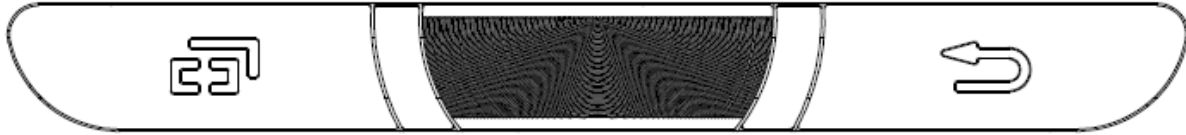
Please set function in EmKit – Program Buttons. Please find details on page 99

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# Use a keypad

## Learning the basics

### Front panel



#### Recent Apps key

- Press to see recently used apps.

#### Home key

- From any apps or screens, press to return to the Home screen.

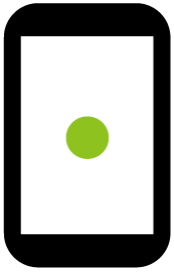
#### Back key

- Press to go back to the previous screen, or to close a dialog box, options menu, notification panel, etc.

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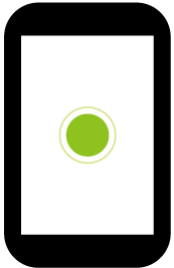
## Use a touch screen

### Learning the basics



#### Touch

One-finger press



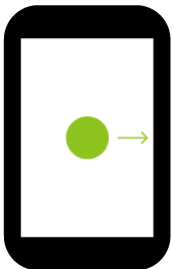
#### Double touch

One-finger press, lift, one-finger press, lift for “Zoom in”



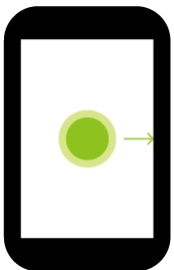
#### Long press

One-finger press, wait, lift for “Select an item”



#### Drag, Swipe, or Fling

One-finger press, move, lift for “Scroll” or “Tilt”



#### Long-press drag

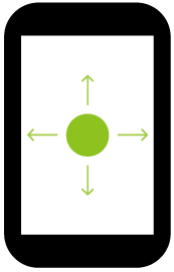
One-finger press, wait, move, lift for “Pick up and move” or “select multiple items”



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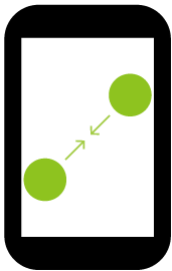
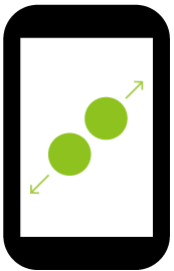
## Use a touch screen

### Learning the basics



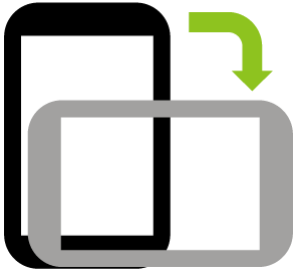
#### Scroll

Vertical or horizontal swipe in a single direction



#### Pinch Open & Close

Two-finger press, move outwards and inwards, lift for “Zoom in and out”

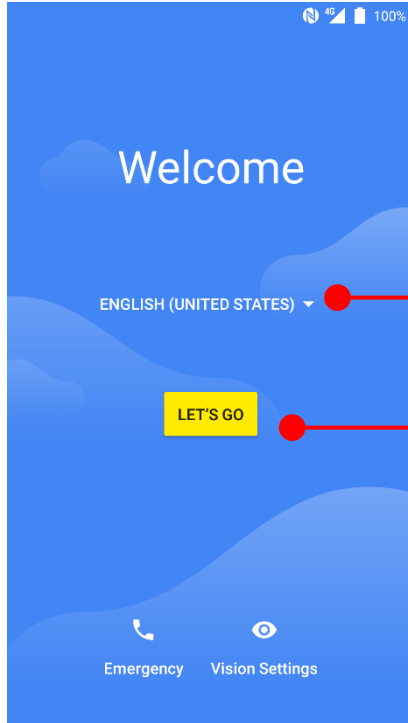


#### Rotate

When PM45 is turning sideways, screen orientation is changing

# Setup Wizard

## Learning the basics

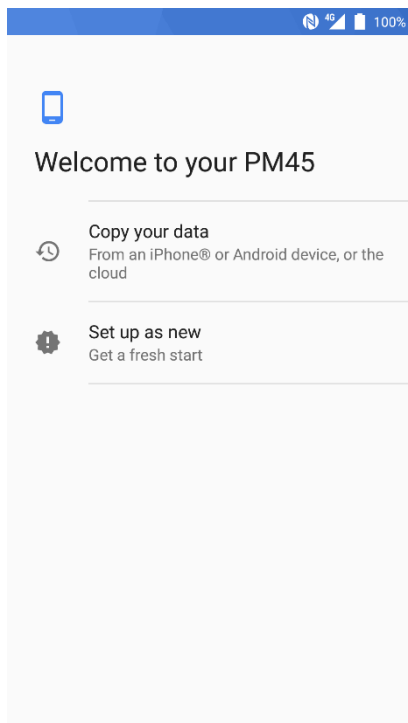


When you power on your device very first time or boot after factory reset, you need to setup your device

### Language Selection

- Choose your language during setup process.

Touch here to start setup your device



You can copy other device's settings to your PM45 or setup as a new device

### Copy your data

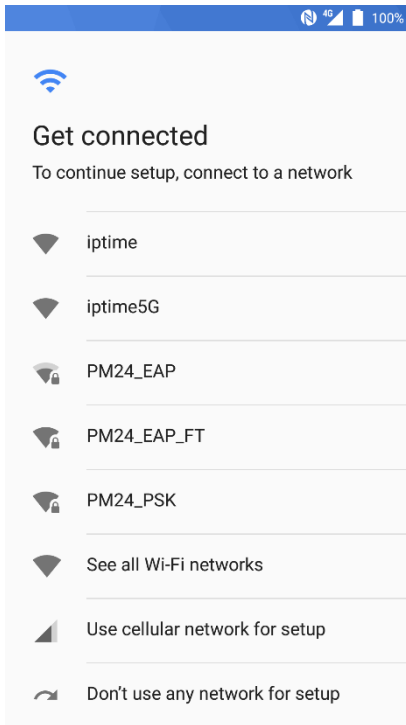
- You can copy your settings from other Android phone or Google account or iPhone

### Set up as new

- Set your PM45 as your new device

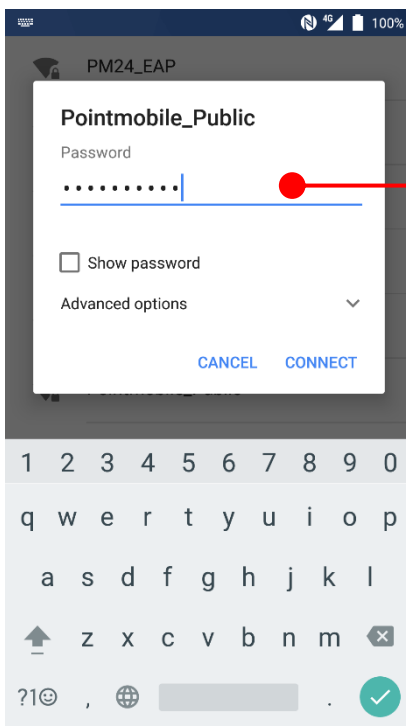
# Setup Wizard

## Learning the basics



### Copy your data

To copy your settings, please connect your PM45 to Wi-Fi network



Please select Wi-Fi network and input the password (If required)



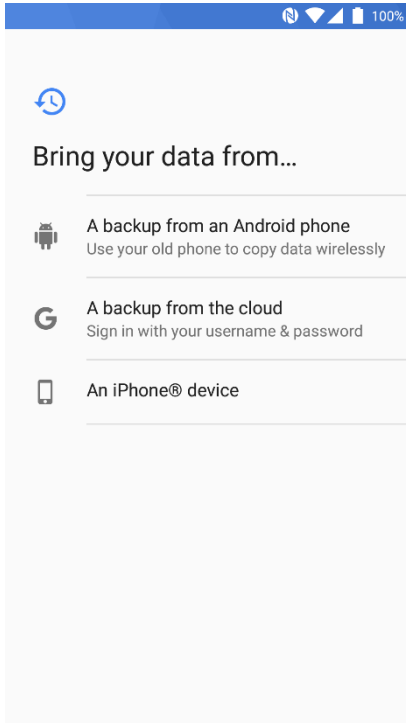
Icon means: Open Wi-Fi network. You don't need to enter the password



Icon means: Secured Wi-Fi network. To connect this Wi-Fi, you need to enter the password

# Setup Wizard

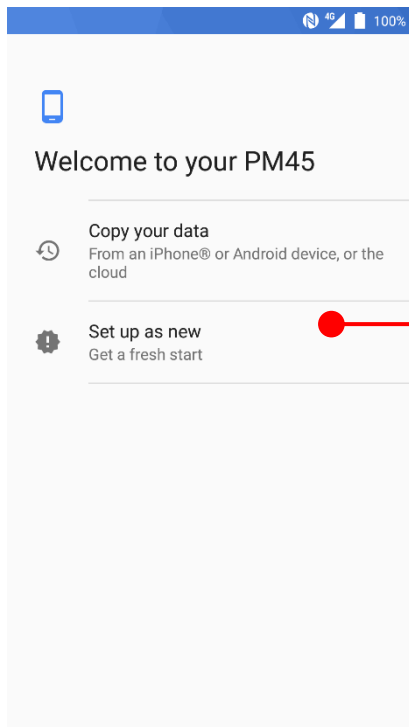
## Learning the basics



Choose the device or cloud where you want to copy the settings.

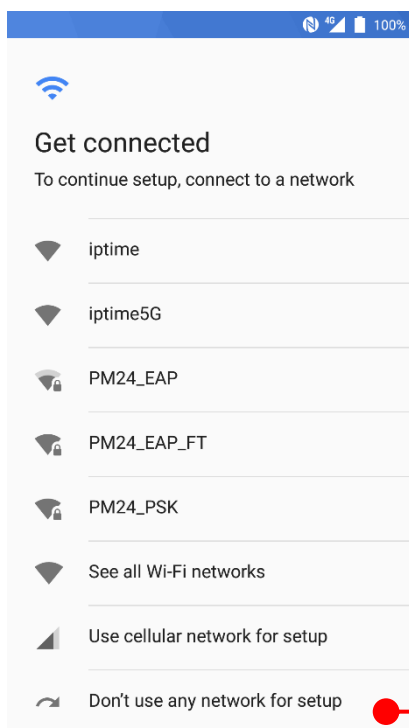
# Setup Wizard

## Learning the basics



### Setup as new

- Touch here to set your PM45 as your new device

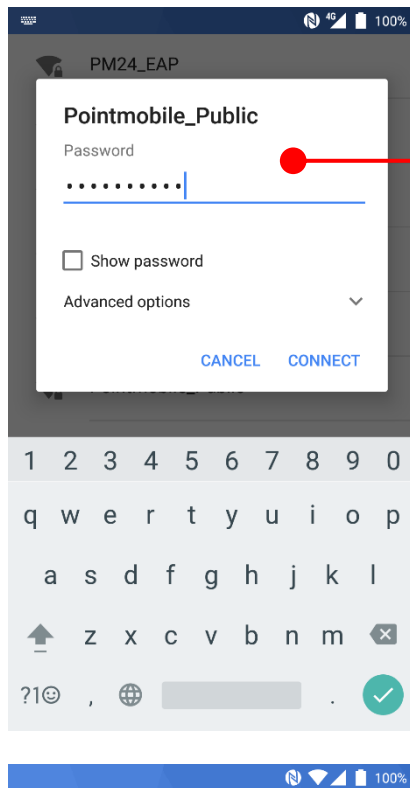


During setup process, Google services setup required.  
Please connect your device to your Wi-Fi network.

You can skip the Wi-Fi connection process and set later.  
Settings → Wi-Fi

# Setup Wizard

## Learning the basics



Please select Wi-Fi network and input the password (If required)



Icon means: Open Wi-Fi network. You don't need to enter the password



Icon means: Secured Wi-Fi network. To connect this Wi-Fi, you need to enter the password



### Sign in

with your Google Account. [Learn more](#)

Email or phone



Please sign in to your Google Account. You may skip this process and sign in later

[Forgot email?](#)

[Create account](#)

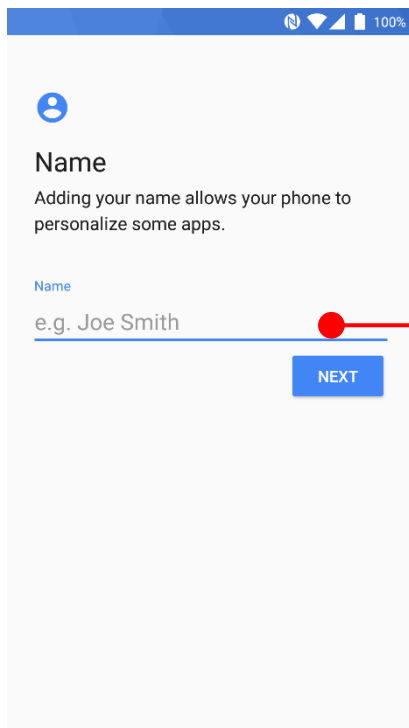
SKIP



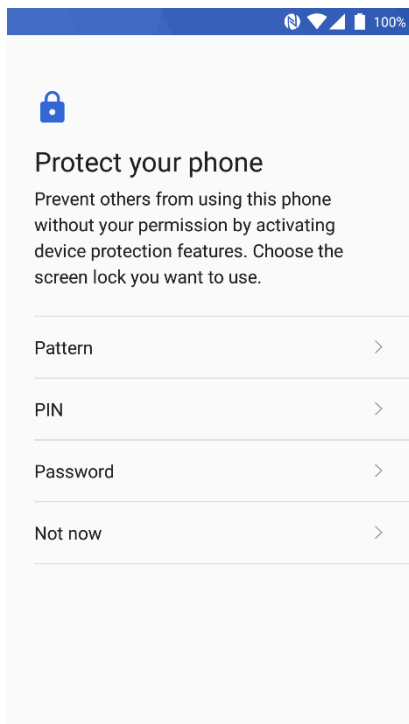
You may skip the Google account sign in process and set later. Settings → Accounts → Add account → Google

# Setup Wizard

## Learning the basics



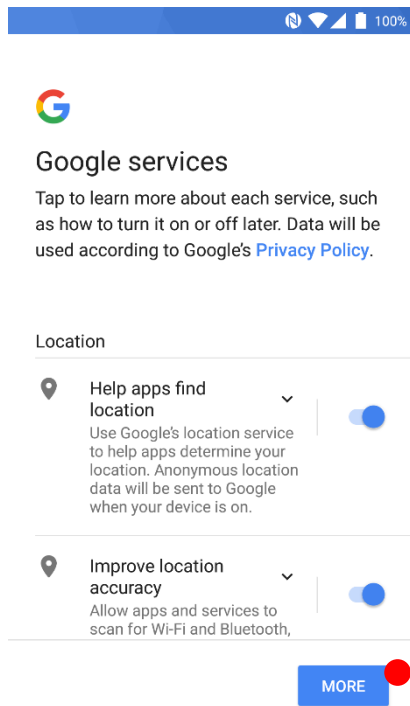
After your Google account login, you can set PM45's name. Touch here to set a name



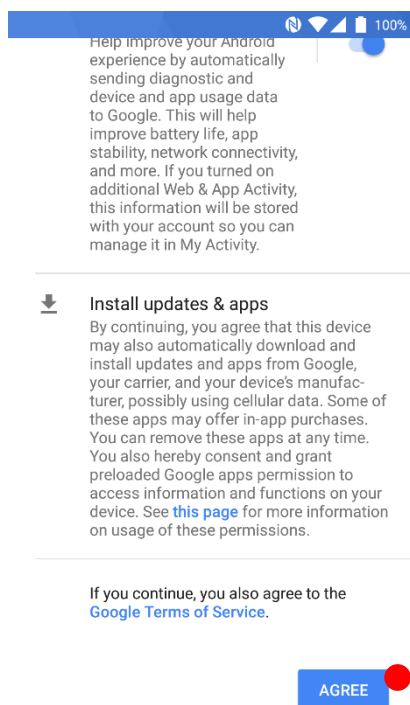
Choose security option for lock screen. You set specific pattern or PIN or password here. You may skip this process and set later

# Setup Wizard

## Learning the basics



To review the Google services option, please touch **MORE** button. You can turn On/Off specific service

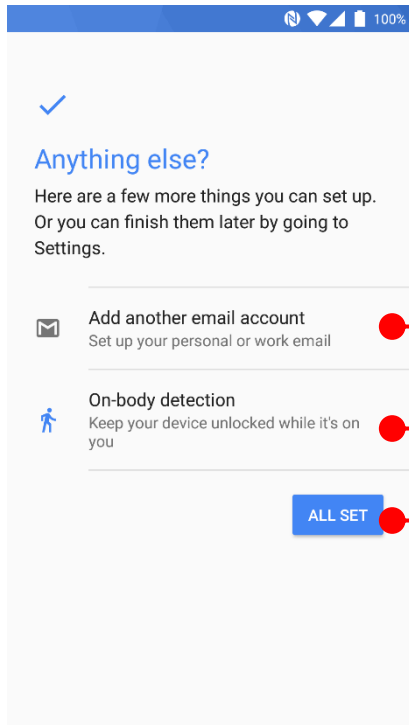


After your reviewing and set Google services option, touch **AGREE** button for next step



# Setup Wizard

## Learning the basics



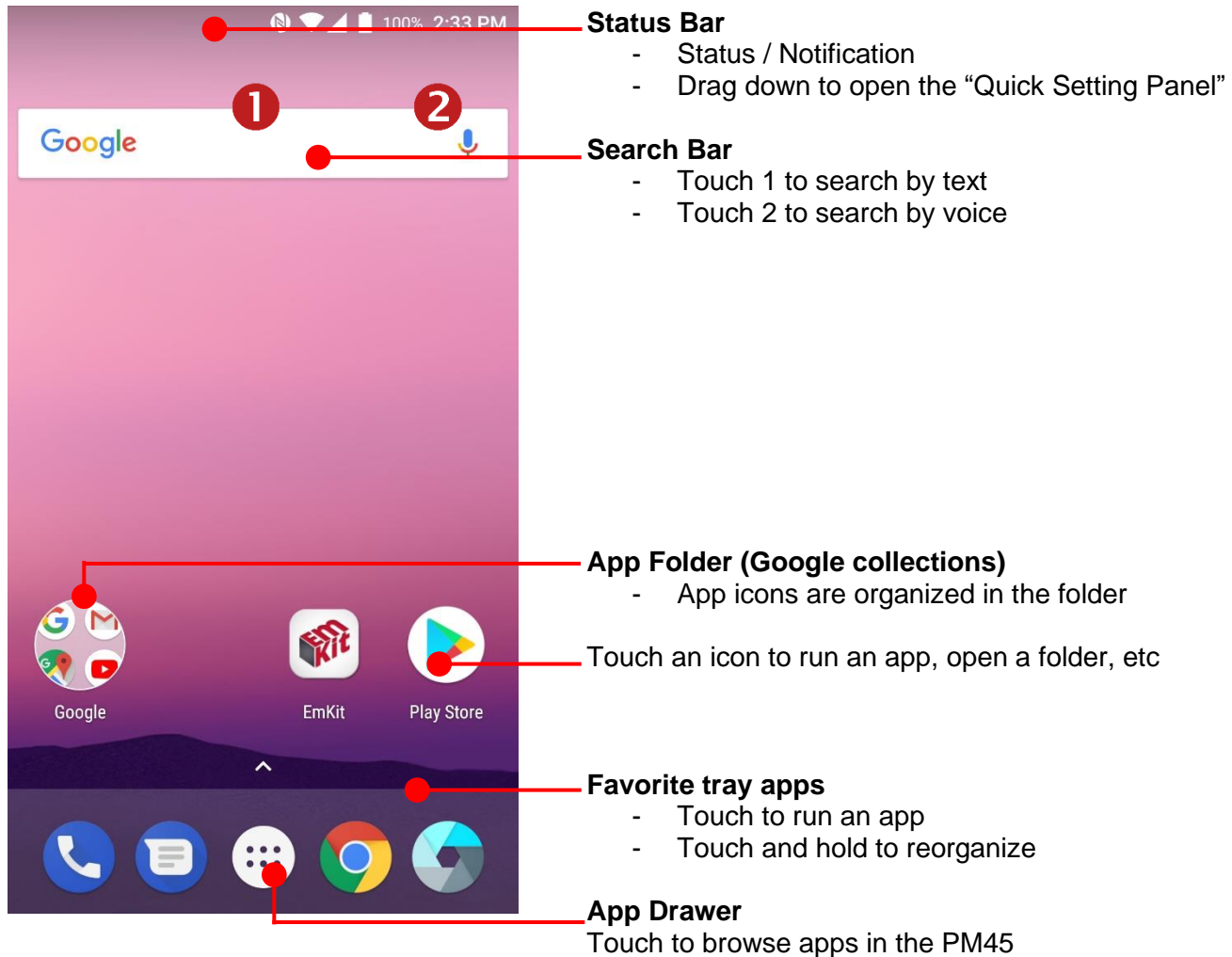
Touch to setup another e-mail account

Touch to use Smart Lock On-body detection

If you set up is done, touch ALL SET extra Touch an icon to run an app, open folder, etc

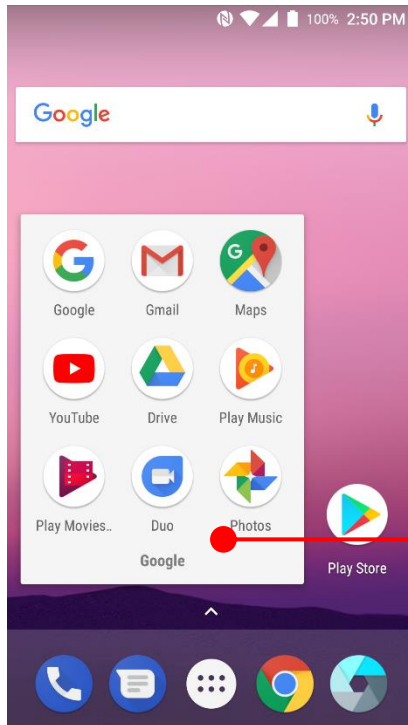
# Home Screen, Apps and Widget

Learning the basics



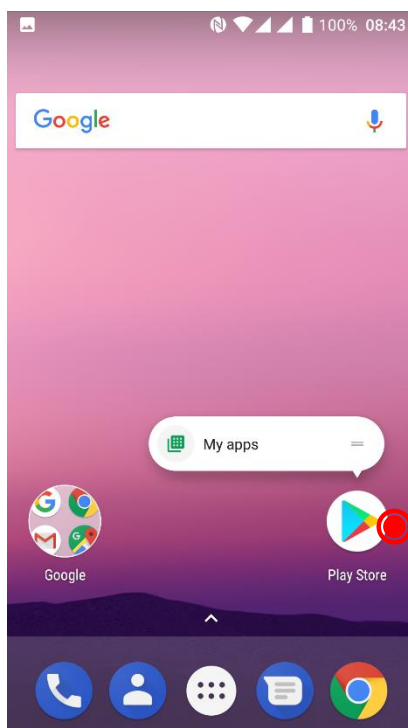
# Home Screen, Apps and Widget

## Learning the basics



### To access app folder (Google collections)

- Touch the app folder then you will see apps in the folder.
- To change app folder's name, touch the bottom area of the folder.

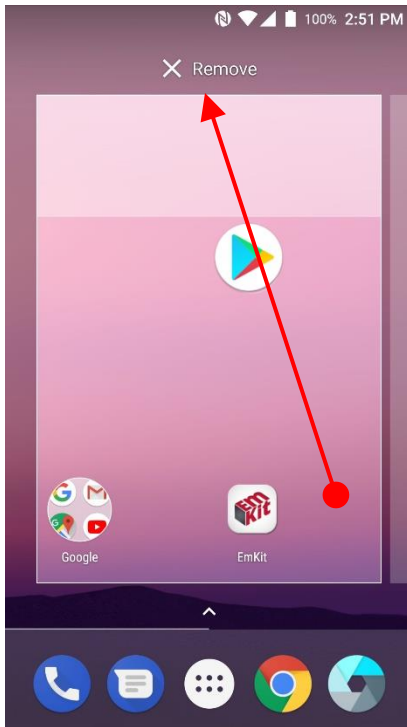


### To see App's option for quick access

- Long press the app icon. Then you will see options from the app. Here option may differ by app

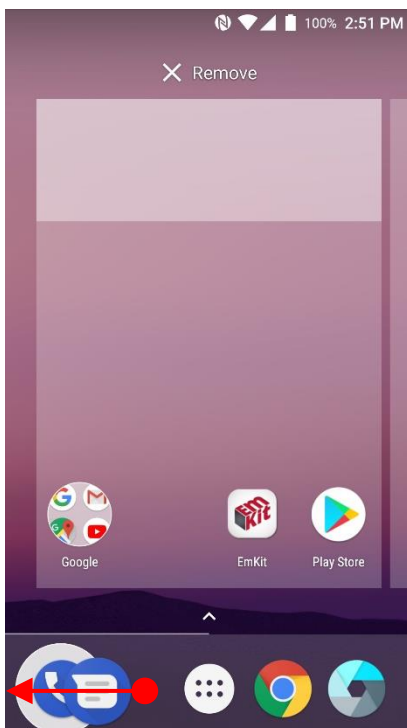
# Home Screen, Apps and Widget

## Learning the basics



### Organize the app icon in the home screen

- Long-press drag the app icon and place where you want. You may place app icon to next panel
- If you want to remove the app icon, drag it to "Remove" area and release

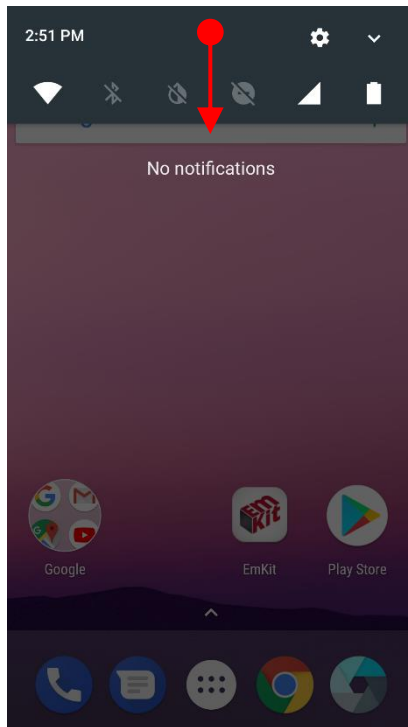


### Create "App Folder"

- Long press the app icon to another app icon. This will create the "App Folder"
- To set the folder name, touch the "Unnamed Folder" and rename it

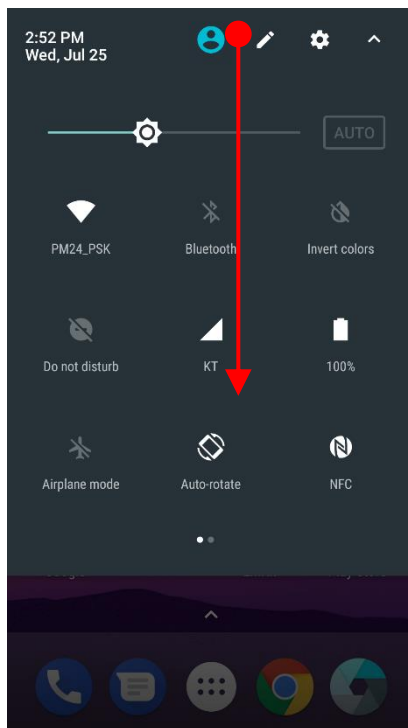
# Home Screen, Apps and Widget

## Learning the basics



### Notification panel

When there is notification from the Android (system) or the App, you can check details by drag down the “Status Bar”.

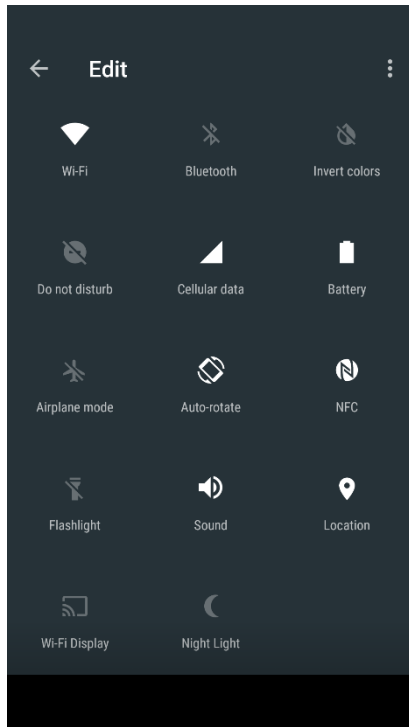


### Quick setting panel


You can access “Quick setting panel” by drag down the “Notification panel”. You can enable / disable functions or change modes easily.

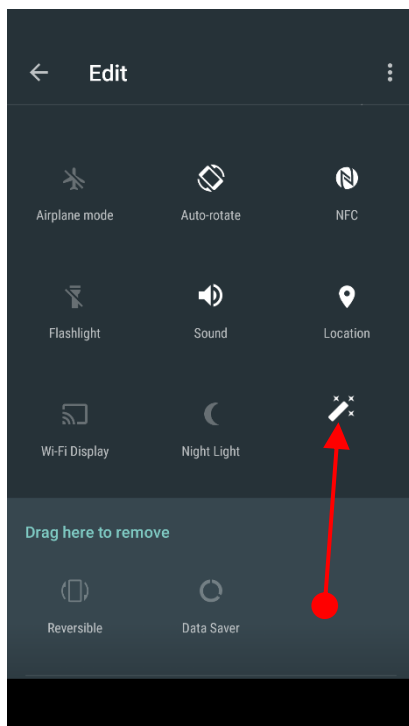
# Home Screen, Apps and Widget

## Learning the basics



### Edit Quick settings panel

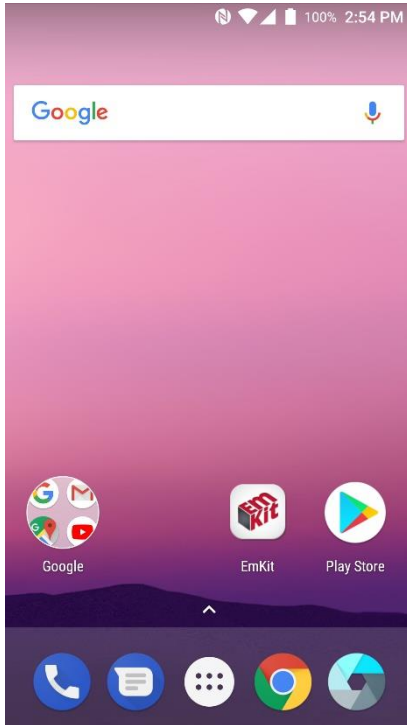
To change the order of icon in the Quick settings panel, touch the  Edit icon




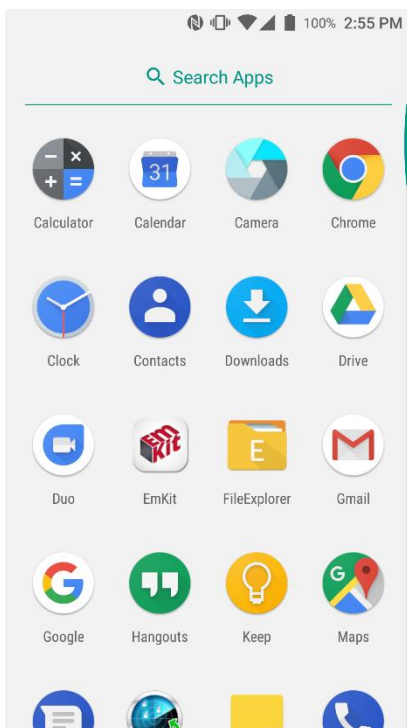
By dragging the icon, you can customize the Quick settings panel

# Home Screen, Apps and Widget

## Learning the basics



Touch the  App drawer icon, to see apps in your PM45

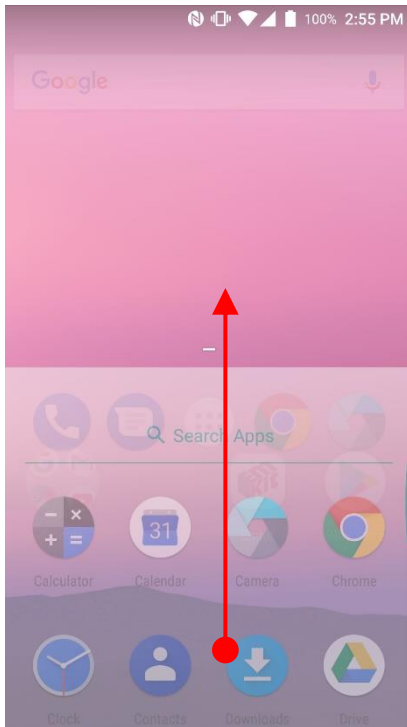


All installed apps are listed alphabetically

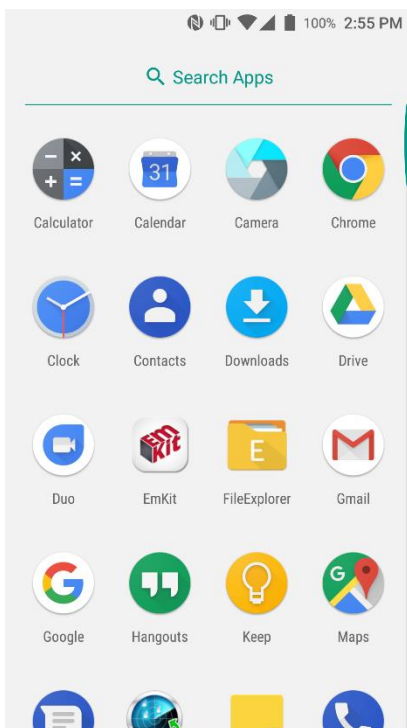
- Tap app icon to run.
- Long press, specific app icon to place to the "Home Screen".

# Home Screen, Apps and Widget

## Learning the basics



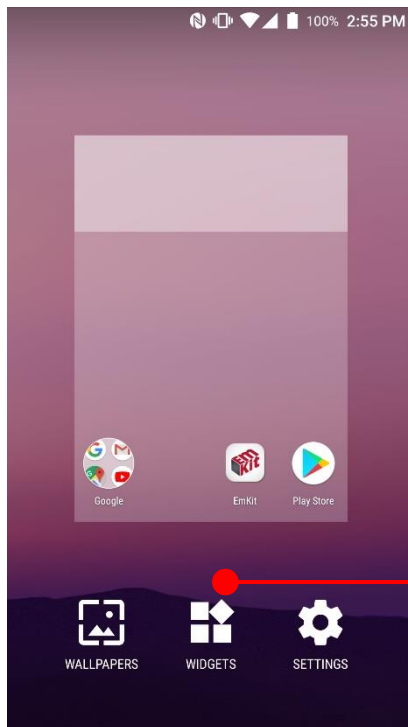
By drag up the Favorite tray apps area, you can also access to app list in your PM45



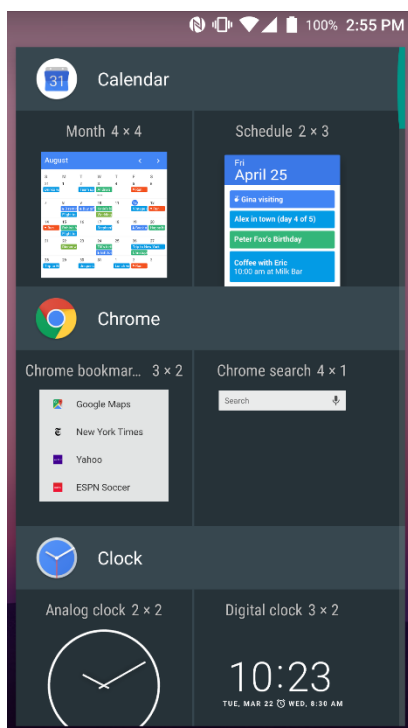


# Home Screen, Apps and Widget

## Learning the basics



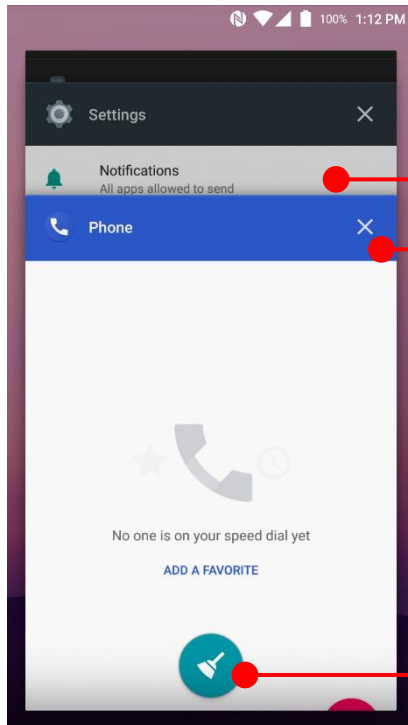
To add a Widget in the Home screen, long press the empty space. Then you will see **WALL PAPERS, WIDGETS, SETTINGS** menu. Touch **WIDGETS**




Available widgets are listed. Among the list select the widget which you want to add and place it to the Home screen by drag and drop


# Home Screen, Apps and Widget

## Learning the basics

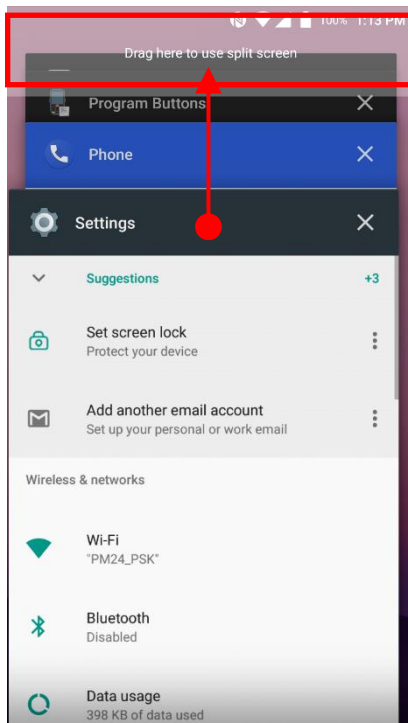


By pressing the  Recent button in the keypad, you can see app list which you access

Touch the app, if you want to use or access the app.

If you want to close individual app, long press the app and then touch  icon

If you close all of the apps, then touch **Brush** icon

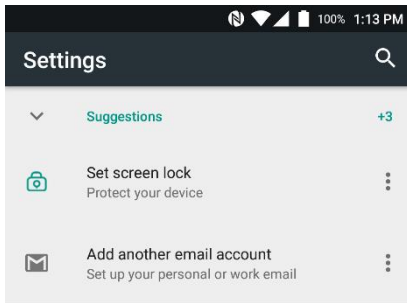


To see the two apps in the screen, please try **Split screen** function.

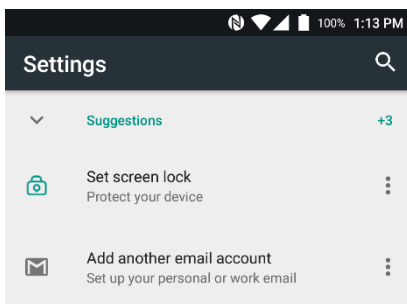
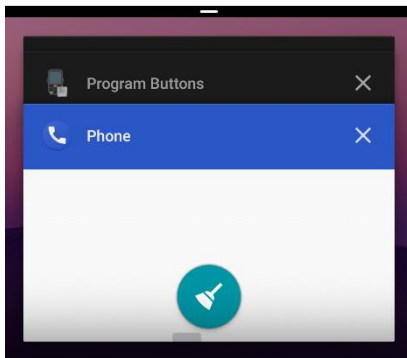
In the recent app list, long press - drag and drop the one of the app to the top area

# Home Screen, Apps and Widget

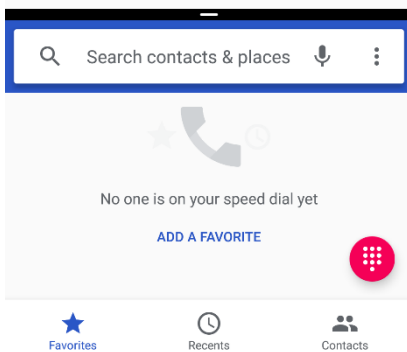
## Learning the basics



Now primary app is selected. Touch another app to see in the screen.



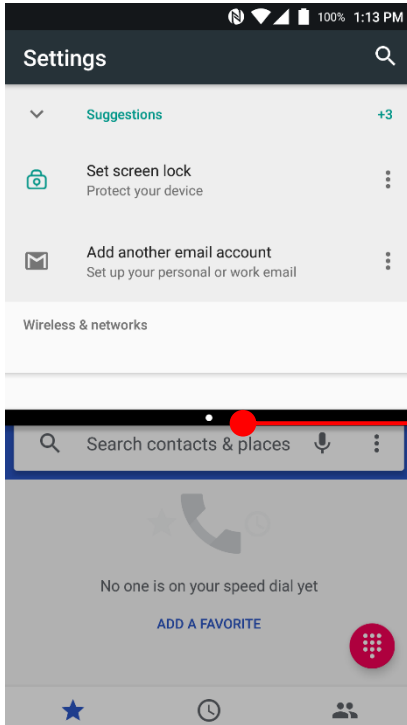
By selecting another app, you can see two apps in the screen



**Note:** Some of the app may not support split screen function

# Home Screen, Apps and Widget

## Learning the basics































By scroll up or down the black bar in the middle, you can exit split screen mode.

# Status & Notifications Icons

Learning the basics














## Status icons

	GPRS connected		GPRS in use
	EDGE connected		EDGE in use
	3G connected		3G in use
	4G connected		4G in use
	Signal strength		No signal
	Roaming		Airplane mode
	No SIM card installed		
	WLAN is on		Connected to a WLAN network
	Bluetooth is on		Connected to a Bluetooth device
	Battery is full		Battery is partially drained
	Battery is low		Battery is very low
	Battery is charging		
	GPS is on		Alarm is set
	Speaker phone is on		Headset connected
	Vibrate mode/ Mute		Phone mic is mute

# Status & Notifications Icons

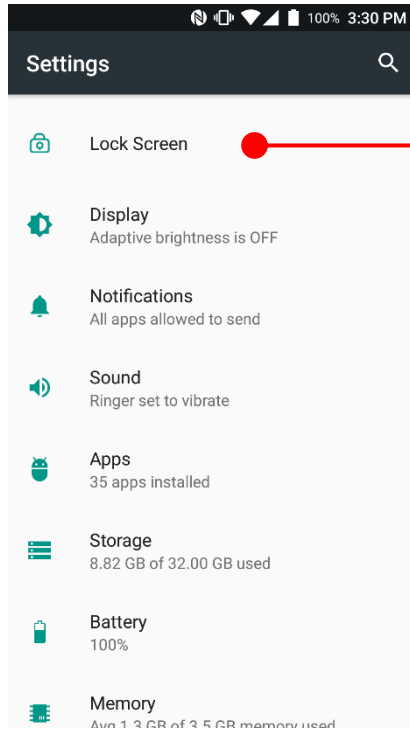
Learning the basics



## Notification icons

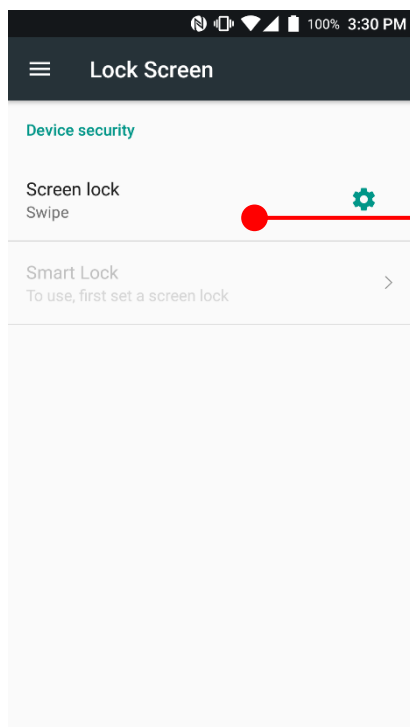
	Missed call		New SMS or MMS message
	New Email		Connected to VPN network
	Upcoming event		Screenshot captured
	Preparing SD card		SD card removed, unexpectedly
	OTG device connected		
	File uploaded		File downloaded
	There are more notifications		Other input method available

# Set a Lock screen

## Learning the basics



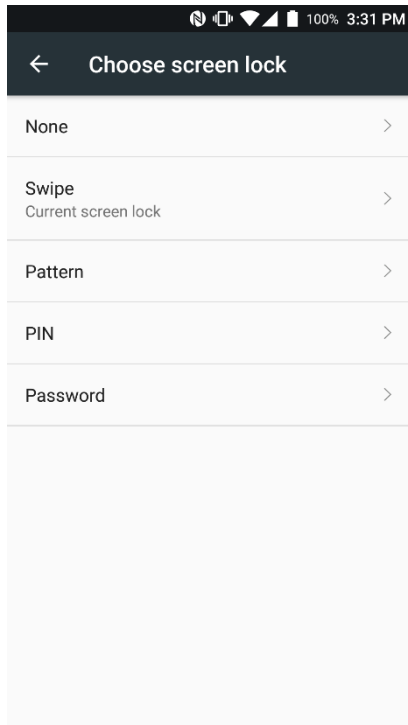
Touch  "App drawer" icon →  "Settings" and then "Lock Screen"



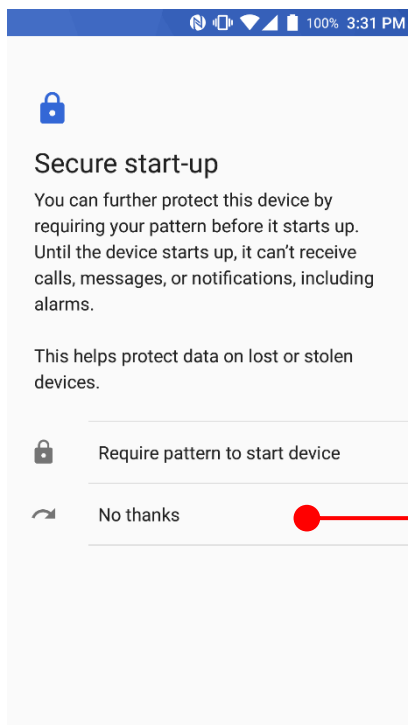
You can see Screen lock type which is currently set. To change the screen lock, please touch the menu.

# Set a Lock screen

## Learning the basics



- None : PM45 screen unlock immediately
- Swipe : To unlock the screen, user should swipe the screen
- Pattern : To unlock the screen, user draw the pattern
- PIN : To unlock the screen, user should input the pin
- Password : To unlock the screen, user should input the password



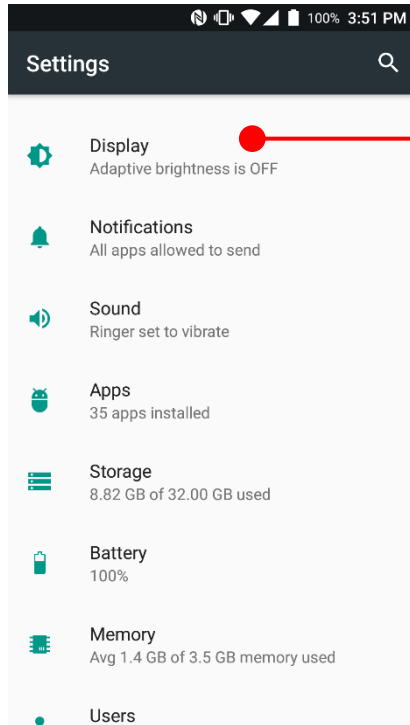
When you choose the Pattern, PIN or Password option, you can set secure start-up option. This function enables unlock the PM45 before bootup



If you don't want secure start-up option, please touch "No thanks"

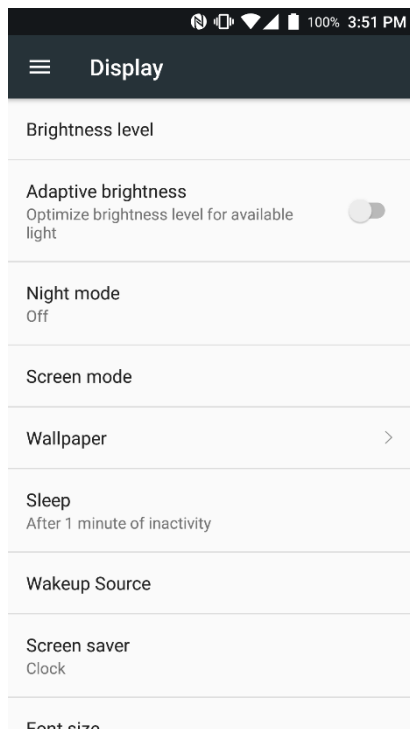


# Manage a display

## Learning the basics



Touch  "App drawer" icon →  "Settings" and then "Display"



**Brightness level :** This setting change the screen brightness level

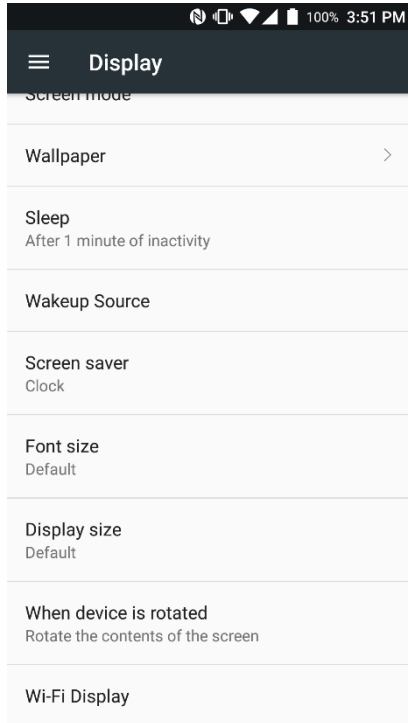
**Adaptive brightness :** By enable this option, PM45 adjust the screen brightness

**Night mode :** Set screen color temperature (Warm level) of PM45

**Screen mode :** Set overall color temperature and image mode of PM45

# Manage a display

## Learning the basics

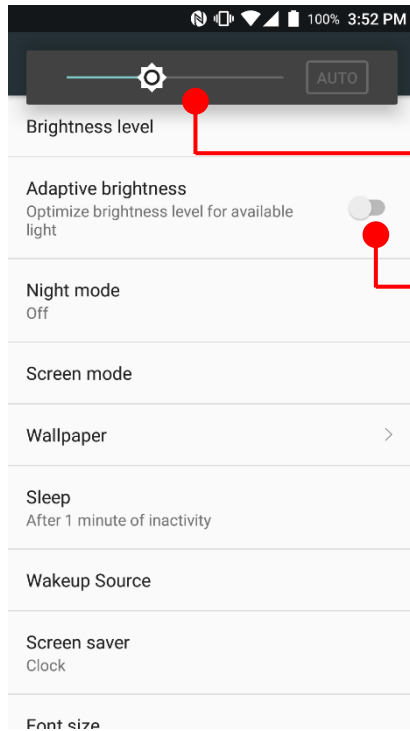


Font size : Set overall font size of PM45

Display size : Set overall font display amount of PM45

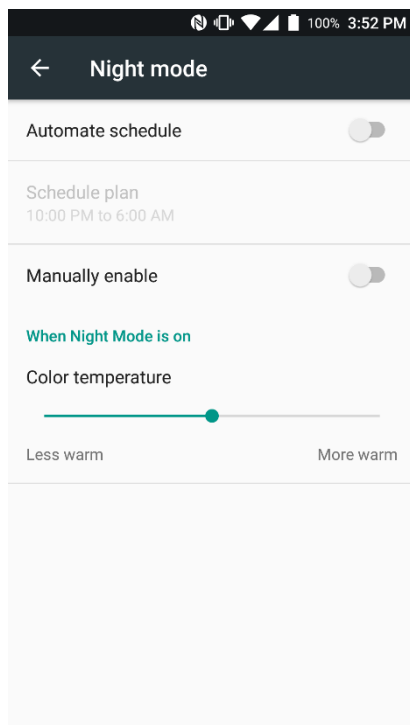
# Manage a display

## Learning the basics



To change the brightness level, please adjust the slider

If you let PM45 auto adjust the brightness level, please touch “Auto” or enable “Adaptive brightness” option

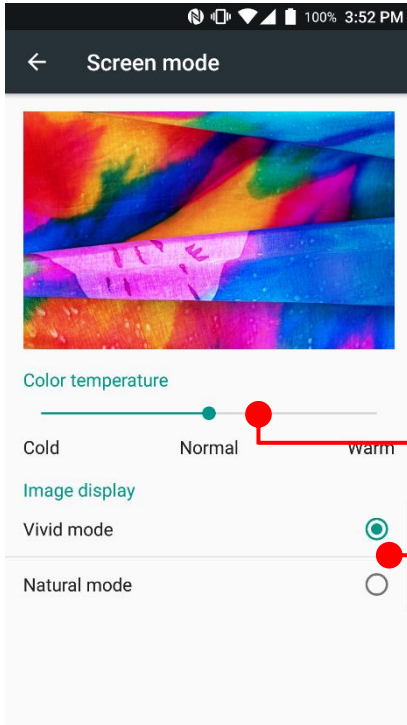


By setting this option, PM45 change warm level of color temperature

Most of usage is prevent eye fatigue during the night time or dark room

# Manage a display

## Learning the basics



To change the overall color temperature of PM45, please adjust the slider

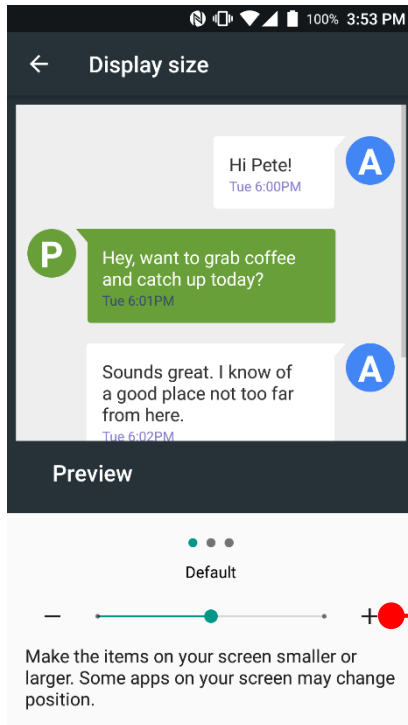
Select image's color displaying mode of PM45.



Change the overall font size of PM45. Please adjust the slider

# Manage a display

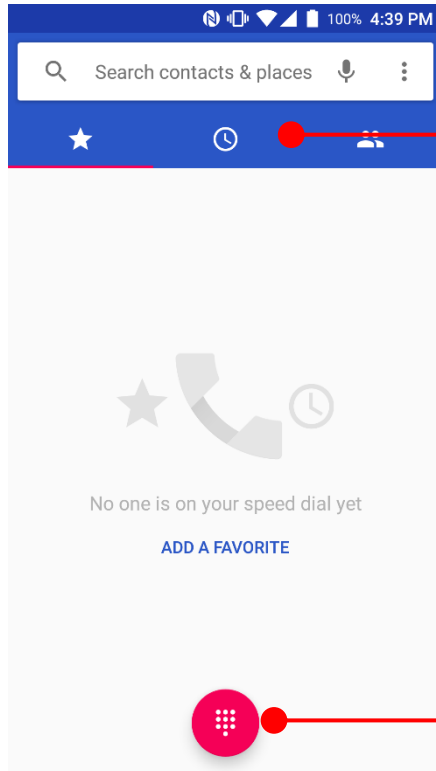
## Learning the basics




Change the amount of the display item of PM45. Please adjust the slider

# Make a call

## Learning the basics

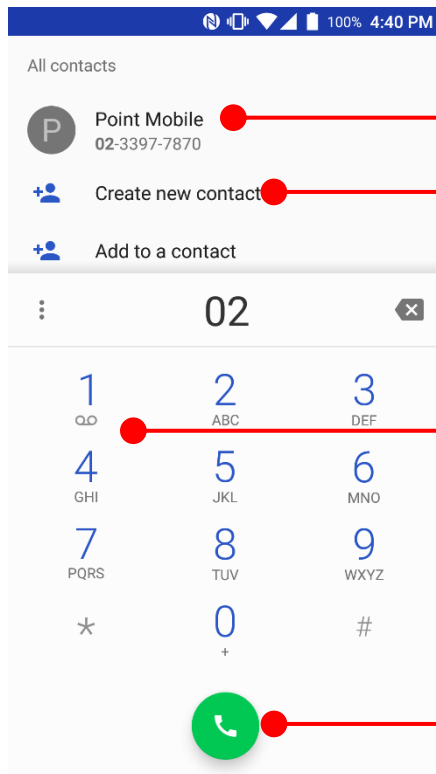


Touch  icon in the Favorite tray apps

Slide to access the **“FAVORITE”**, **“RECENTS”** and **“CONTACTS”**.

- To make a call from recent call list or missed call, select **“RECENTS”** tab
- To make a call from your contact list, select **“CONTACTS”**

Touch to use a dialer



Suggested phone number(s)

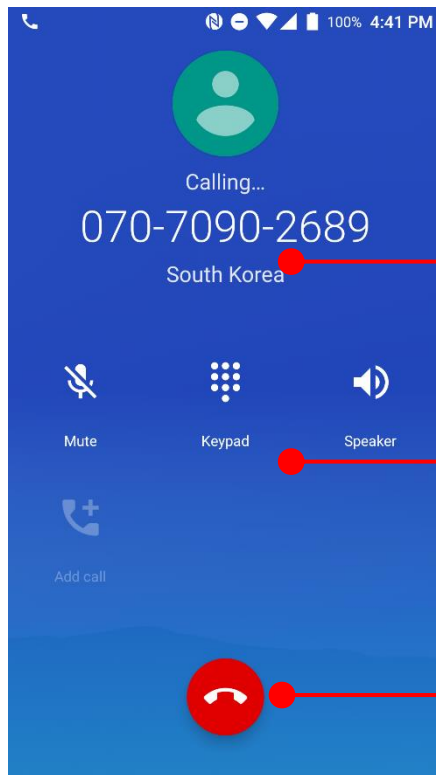
Phone number can be saved to **“CONTACTS”**

Touch and hold the dial pad **#1**, to access voicemail.

Touch to place a call

# Make a call

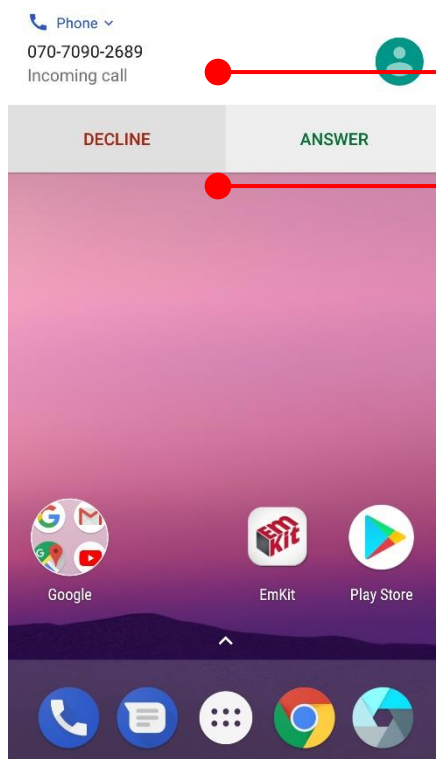
## Learning the basics



Calling information

- Mute : Touch to mute the mic
- Keypad : Touch to dial during a call
- Speaker : Touch to make a speaker phone call

Touch to end a call



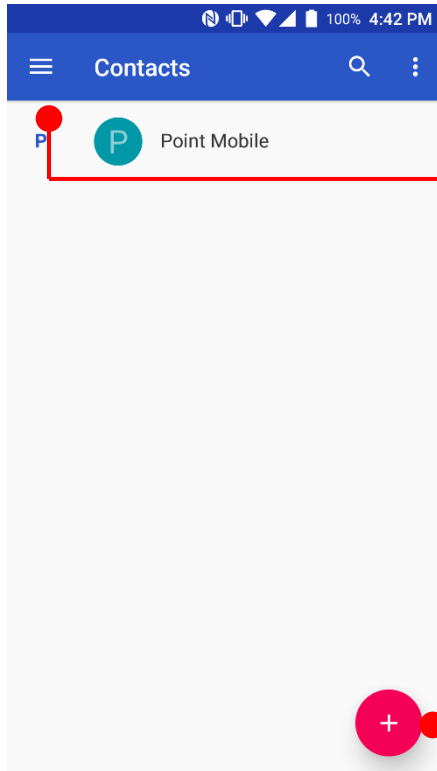
Caller information


- Decline : Touch to refuse a call
- Answer : Touch to answer a call

**Tip:** To mute the ringtone volume of an incoming call, keep press the “Volume down” key or turn your PM45 over.

# Add to a contact

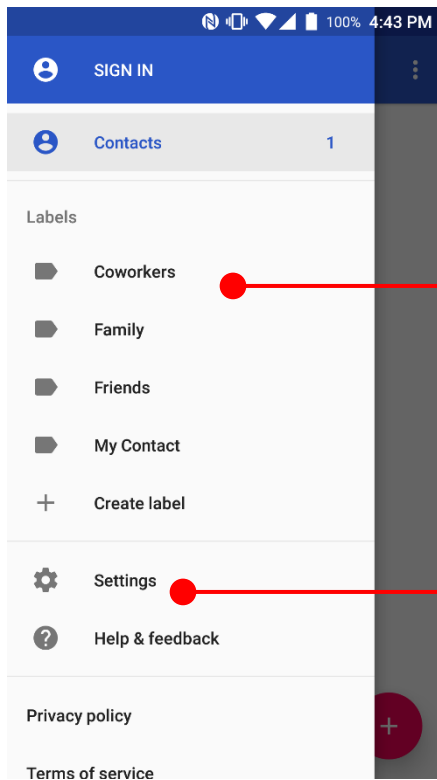
## Learning the basics



Touch  icon in the Favorite tray apps

Touch to see Contacts options

Touch to add a new contact



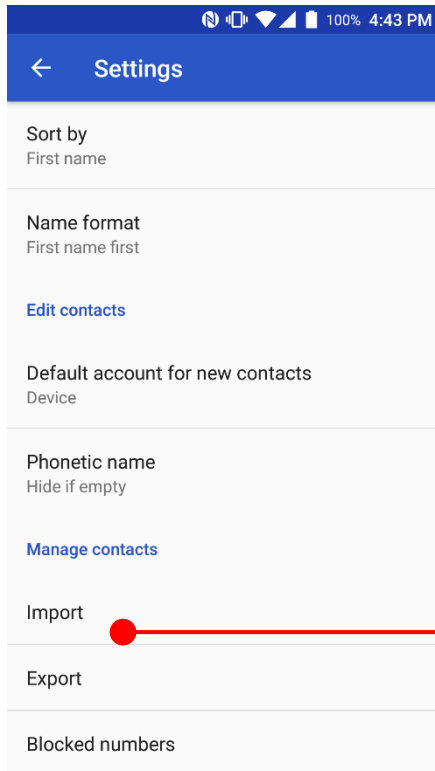
Labels which you set in your google account

Touch to set more detail settings

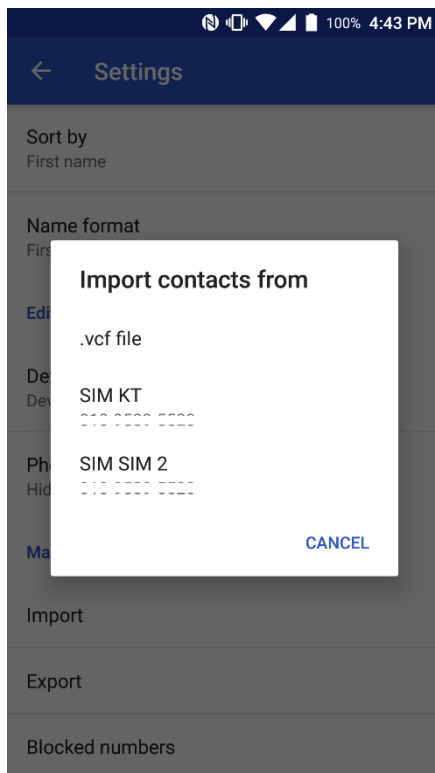


# Add to a contact

## Learning the basics

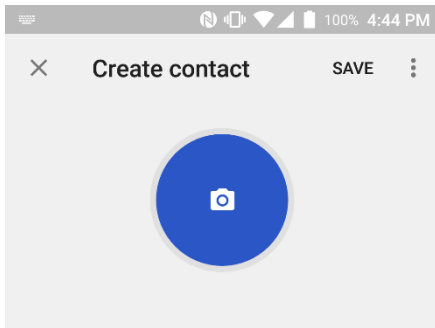


Touch to import contact information in your SIM card



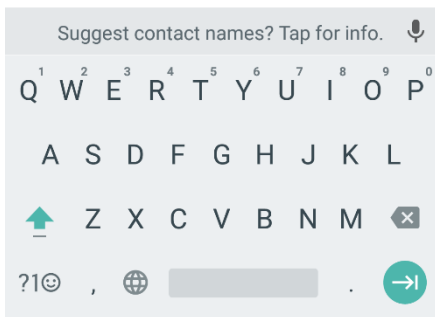
# Add to a contact

## Learning the basics

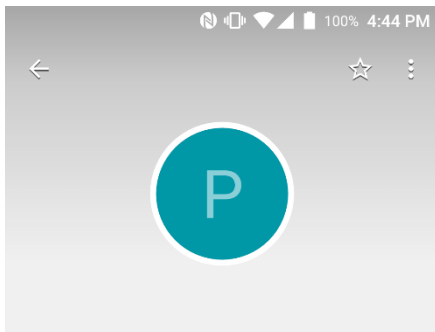


Device — Save location for the new contact

First name — Input Contact name, phone numbers and other information in the form



Touch to import contact information in your SIM card



Point Mobile

Call    Text    Set up

02-3397-7870  
Mobile

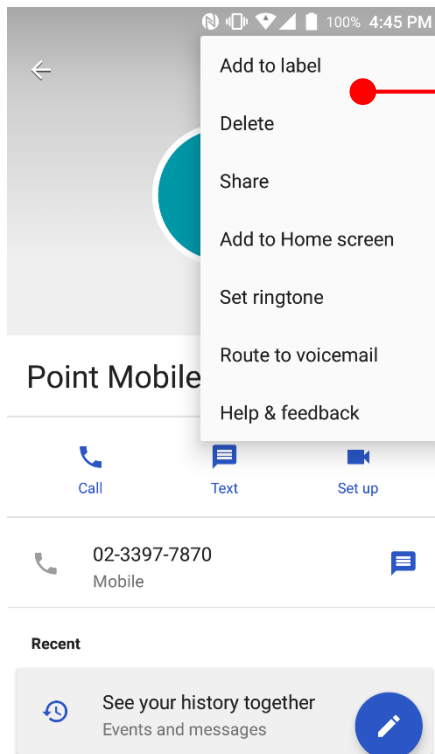
Recent

See your history together  
Events and messages

— Touch to edit contact information

## Add to a contact

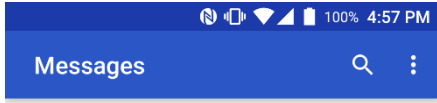
### Learning the basics




Touch an option you would like to edit or change

# Send a message

## Learning the basics



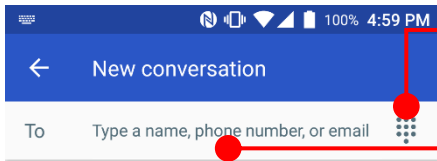
Touch  icon in the Favorite tray apps



Once you start a new conversation, you'll see it listed here

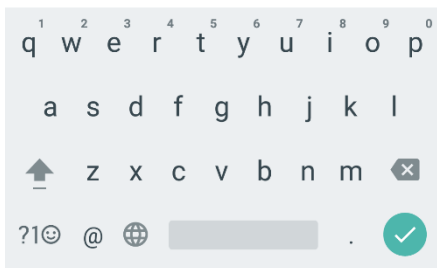
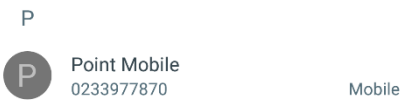


Touch to send a new message



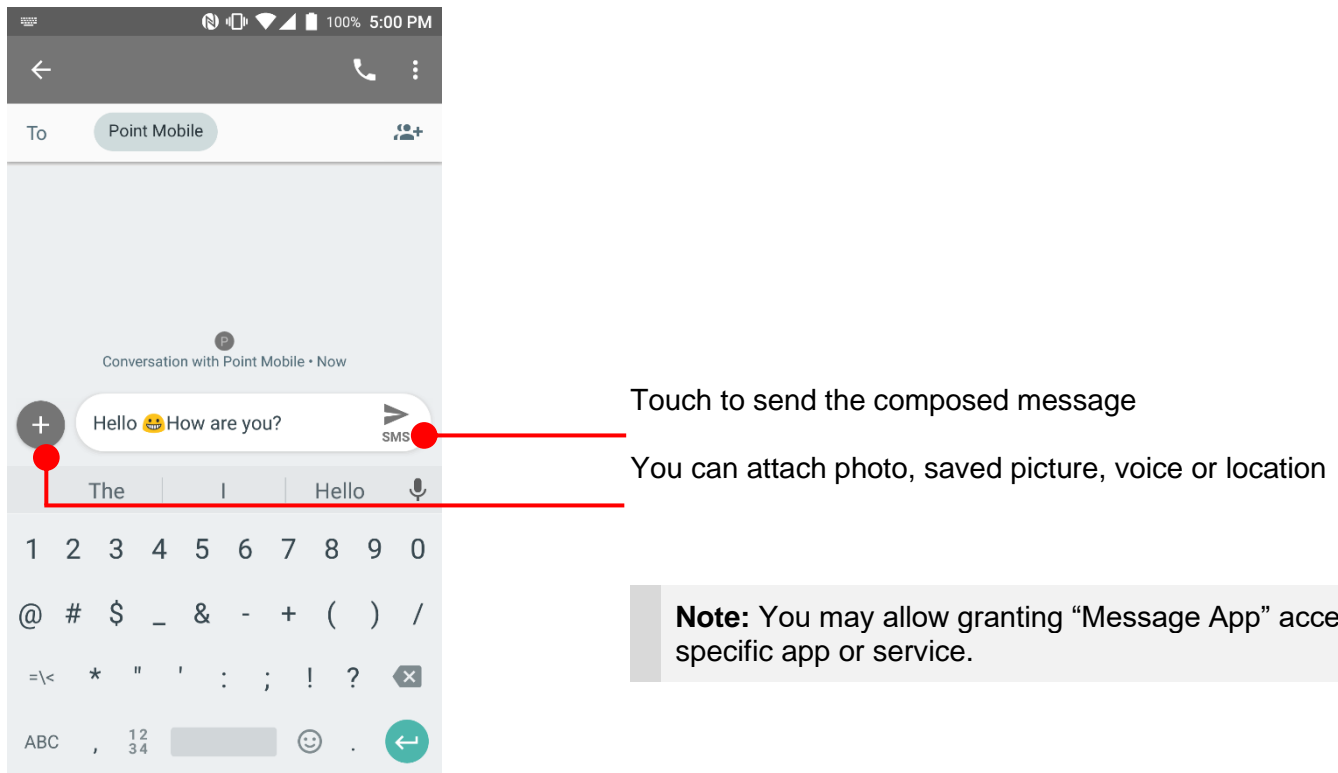
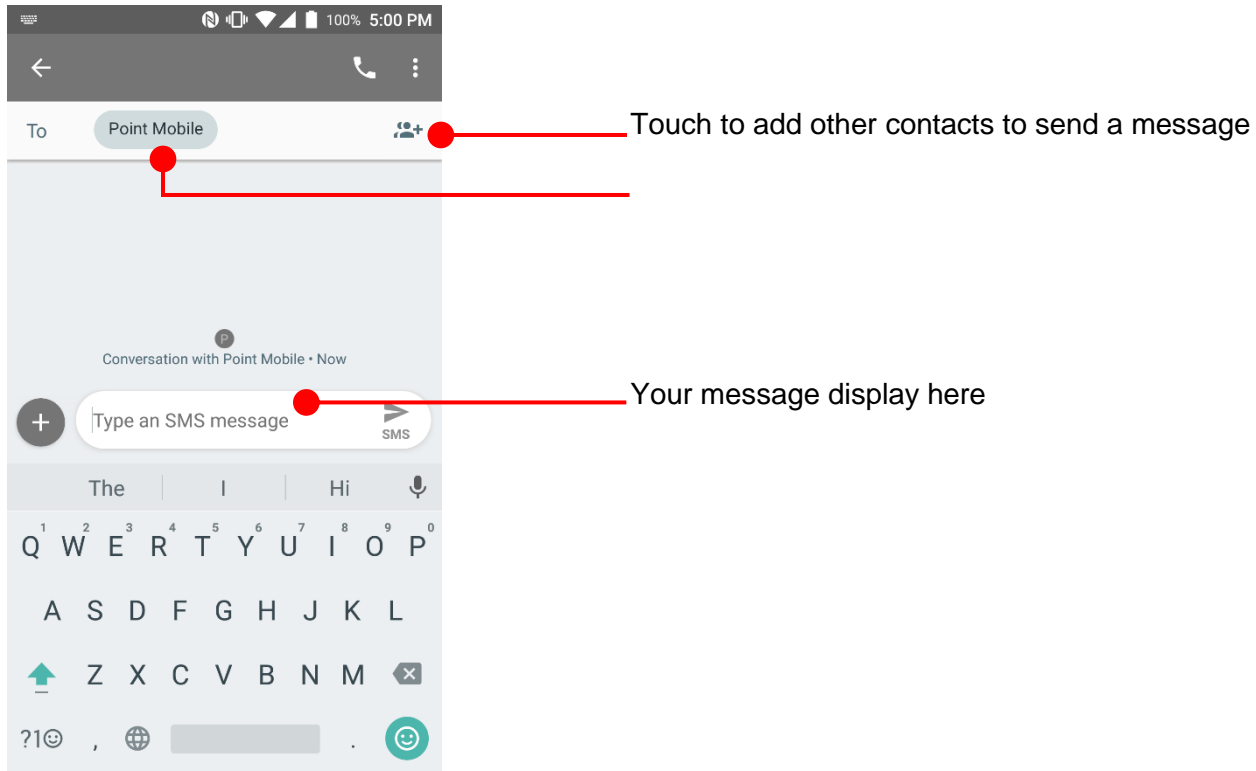
Touch to use a dialer

Touch to type a name, phone number or email



# Send a message

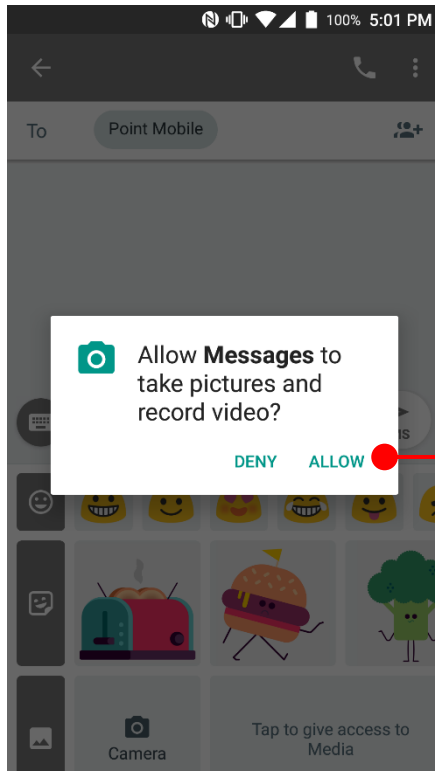
## Learning the basics



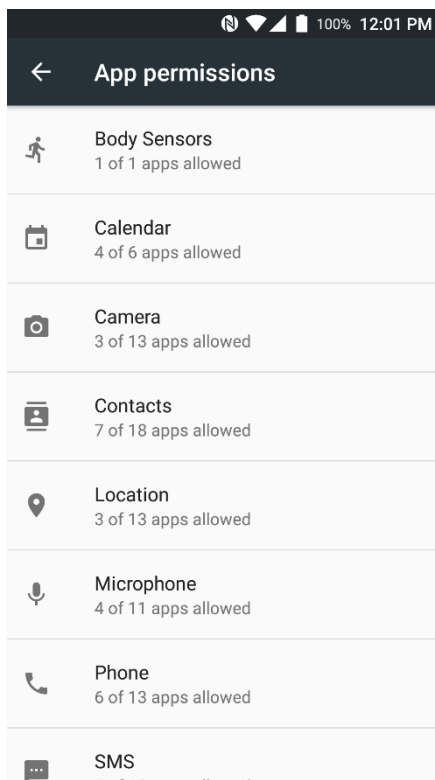
**Note:** You may allow granting “Message App” access specific app or service.

# Send a message




## Learning the basics



Android ask a grant app's specific permission access for first time use. To send a photo or a saved media file or a voice recode file or a location, please touch **ALLOW**

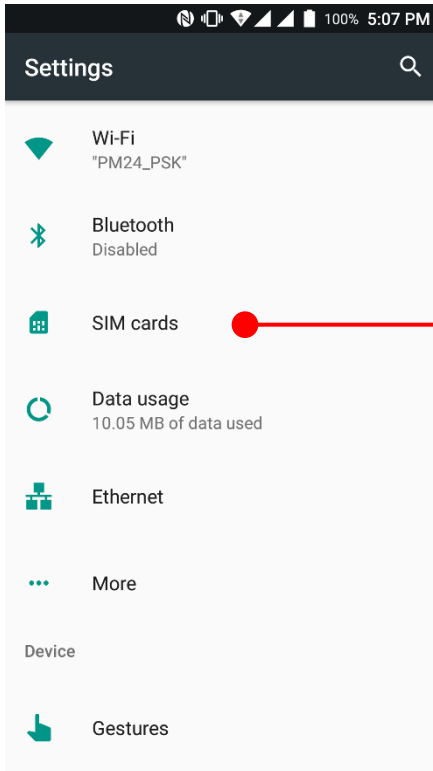





You can review granted permission info at

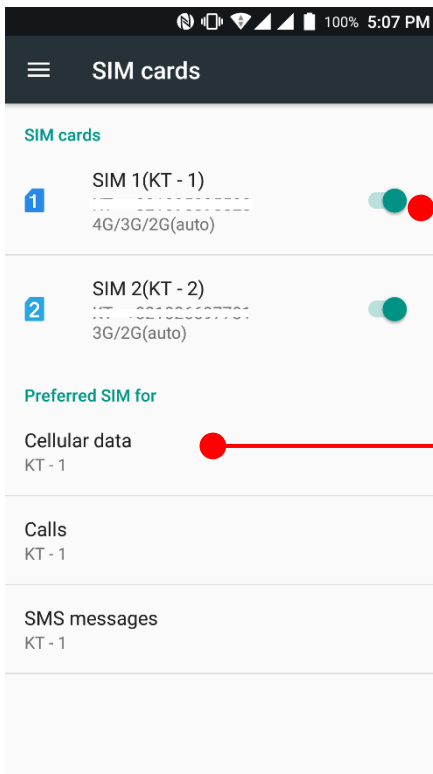
Touch  "App drawer" icon →  "Settings" → Apps → Configure apps  → App permissions

# Change a SIM card settings

Learning the basics



Touch  "App drawer" icon →  "Settings" and then  "SIM cards"

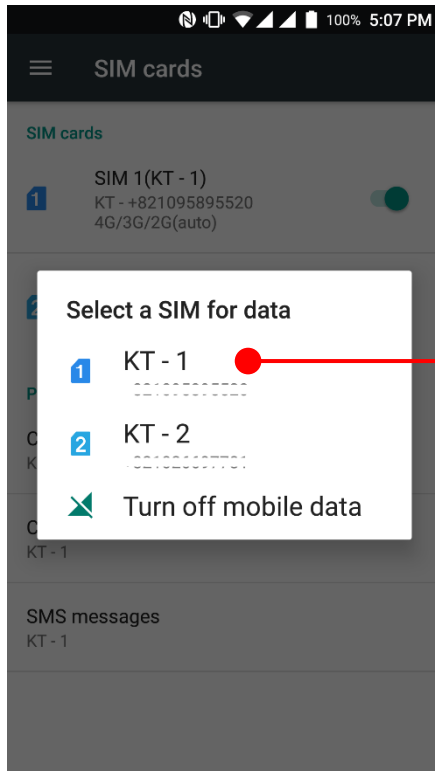


Touch to enable/disable using a SIM card (PM45 is Dual SIM Dual Standby model)

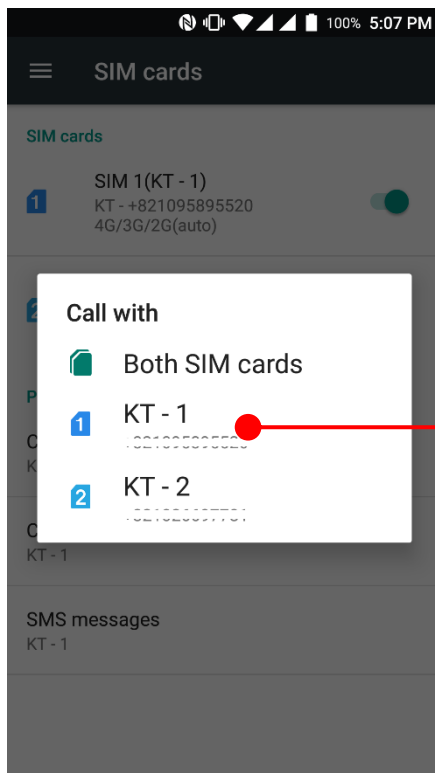
Currently set SIM card information  
Touch to change each option

# Change a SIM card settings

## Learning the basics



Select SIM card for mobile data or turn off mobile data

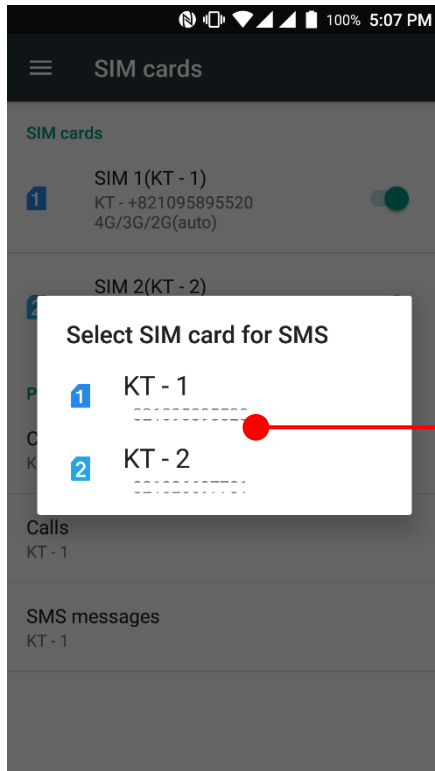


Select SIM card for calling. You can select Both SIM cards



# Change a SIM card settings

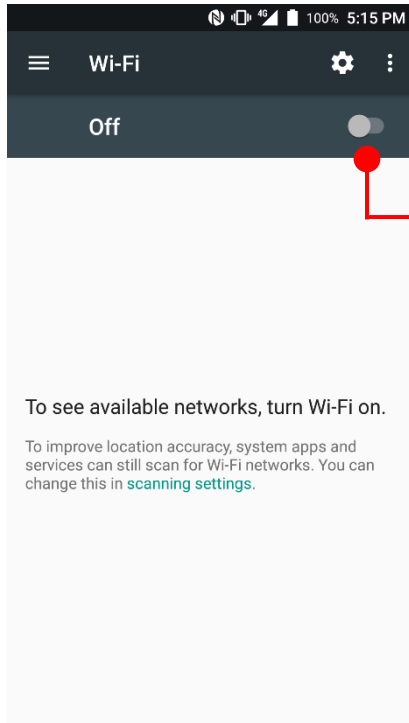
## Learning the basics



Select SIM card for messaging. You can select Both SIM cards

# Connect to your Wi-Fi network

Learning the basics



Touch  
“Wi-Fi”

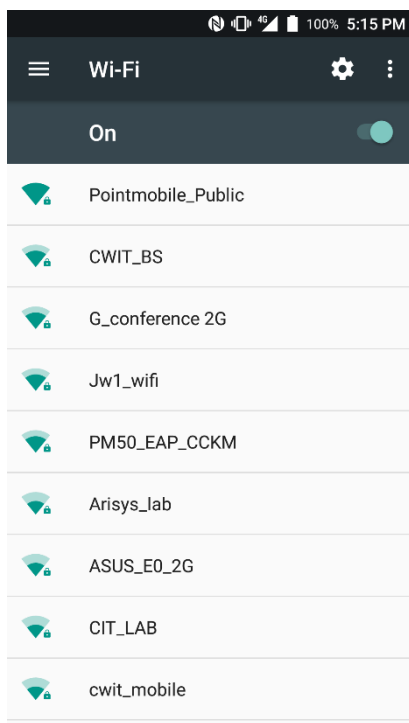


“App drawer” icon →



“Settings” and then

Touch to turn On/Off the W-Fi



You can see nearby Wi-Fi network. Each AP's SSID information listed by signal strength



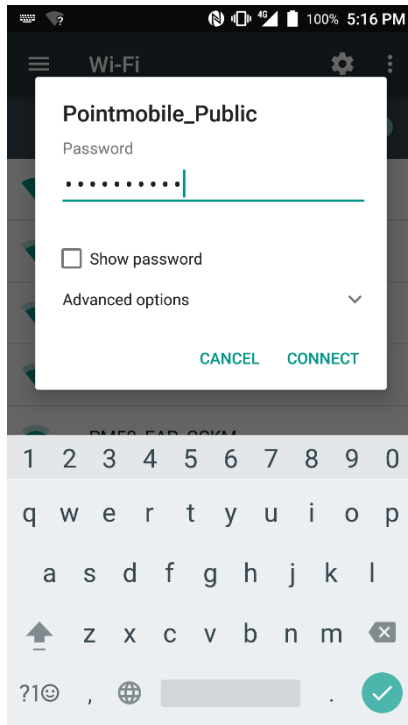
Icon means: Open Wi-Fi network. You don't need to enter the password



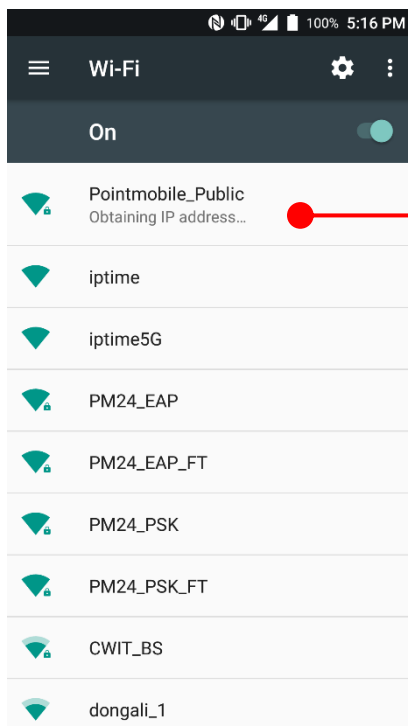
Icon means: Secured Wi-Fi network. To connect this Wi-Fi, you need to enter the password

# Connect to your Wi-Fi network

## Learning the basics



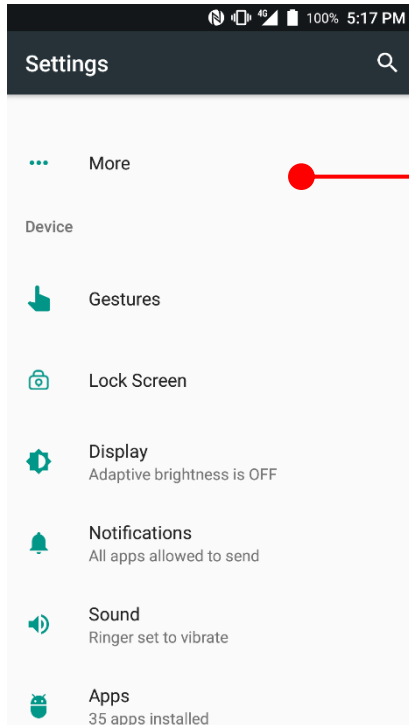
Touch SSID, which you want to connect.  
To connect to the secured Wi-Fi network, enter the password



Your PM45 is obtaining the IP address from the selected AP

# Make a Wi-Fi hotspot

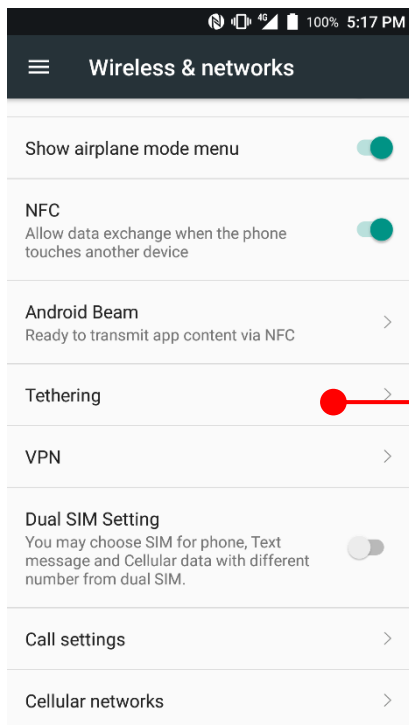
## Learning the basics



Touch  
"More"



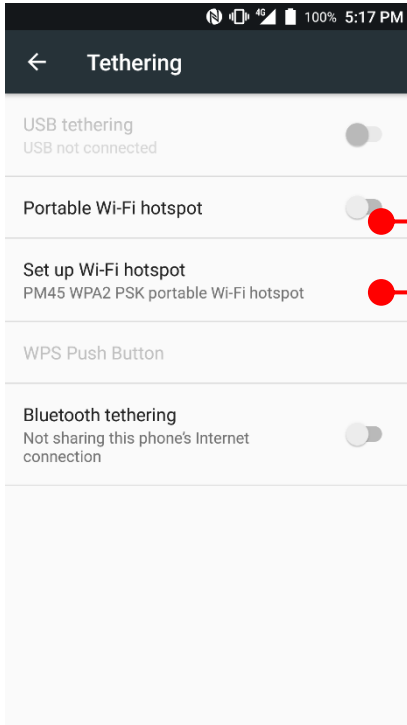
"App drawer" icon →  "Settings" and then



Touch "Tethering"

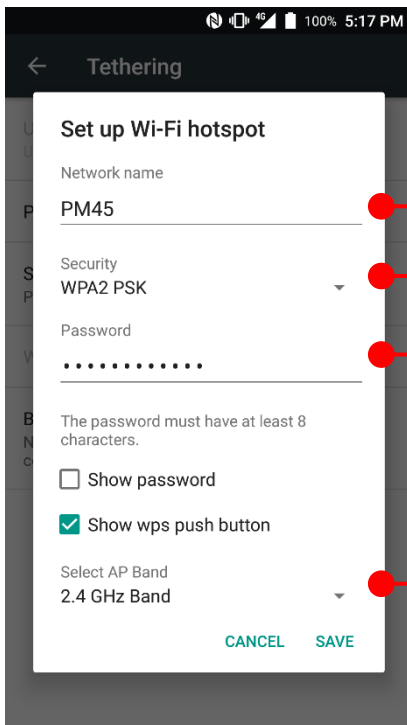
# Make a Wi-Fi hotspot

Learning the basics



Touch to turn On/Off the W-Fi hotspot

Touch to set Wi-Fi hotspot setting



Set hotspot name

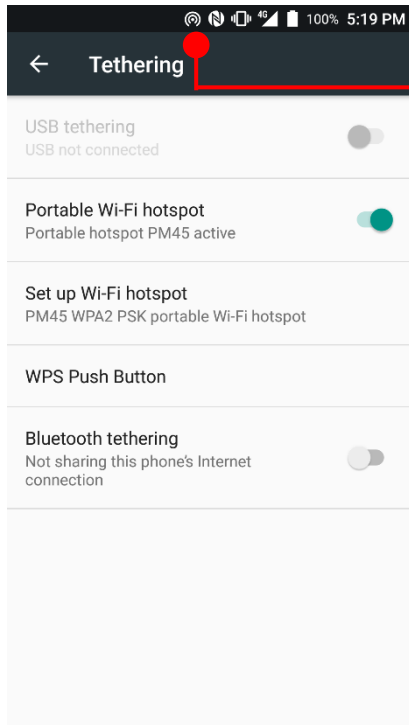
Set hotspot security type : None / WPA2PSK

Set password for hotspot

Set hotspot band : 2.4GHz / 5GHz

# Make a Wi-Fi hotspot

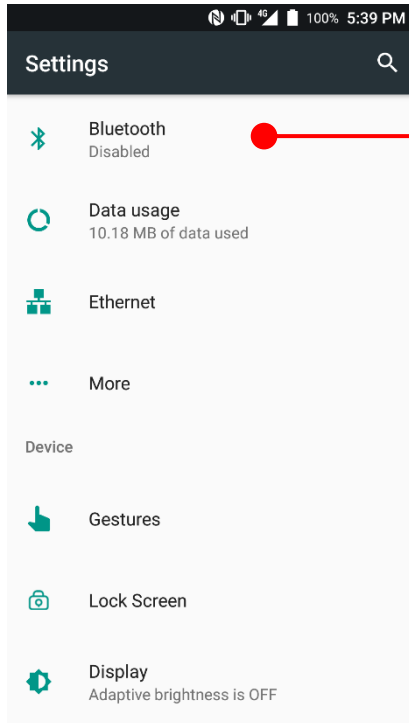
Learning the basics





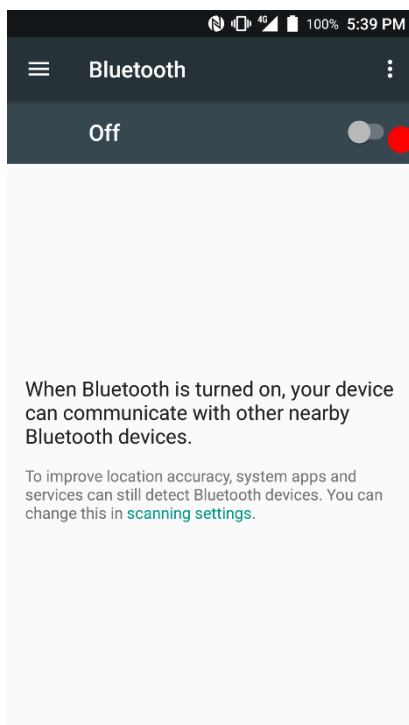
When hotspot is ready, you will see this icon

# Connect with Bluetooth device

## Learning the basics



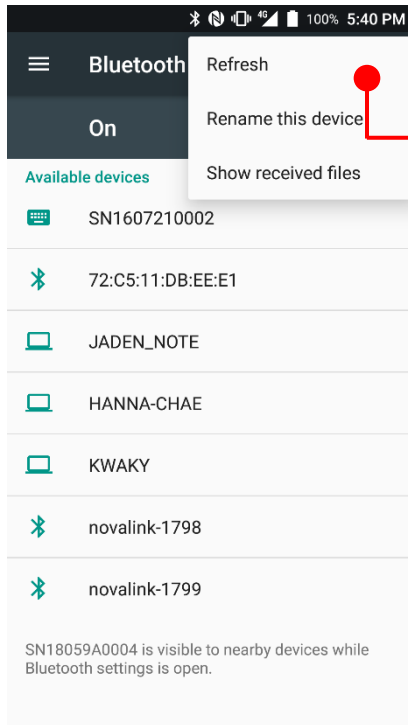
Touch  "App drawer" icon →  "Settings" and then "Bluetooth"




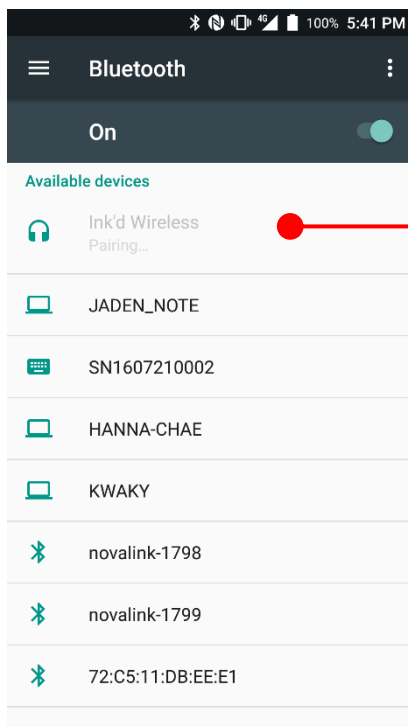
Touch to turn On/Off the Bluetooth

## Connect with Bluetooth device

### Learning the basics



PM45 will list up nearby Bluetooth devices. If you don't find the device which you want to pair, touch option icon  in top-left corner and touch "Refresh"

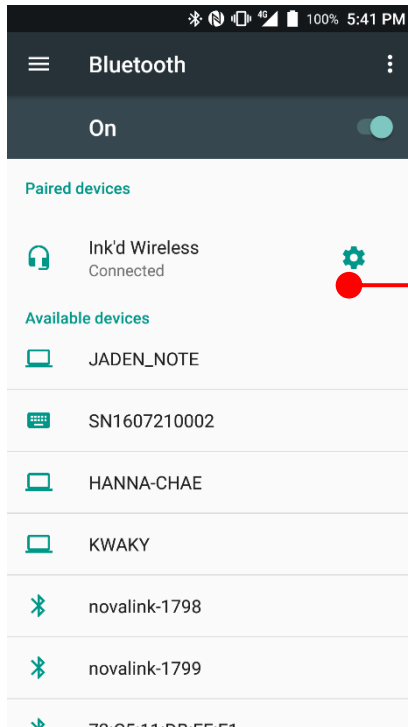



By touching the device name in the list, PM45 start to pair with Bluetooth device. (You may input the password)

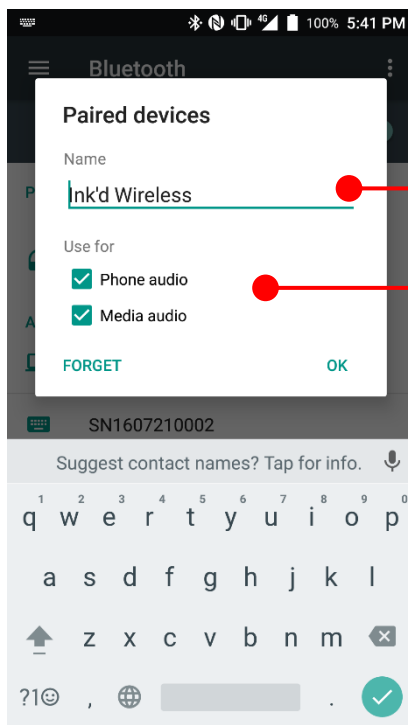


# Connect with Bluetooth device

Learning the basics



Bluetooth device is connected with PM45.  
Touch  icon for advanced setup

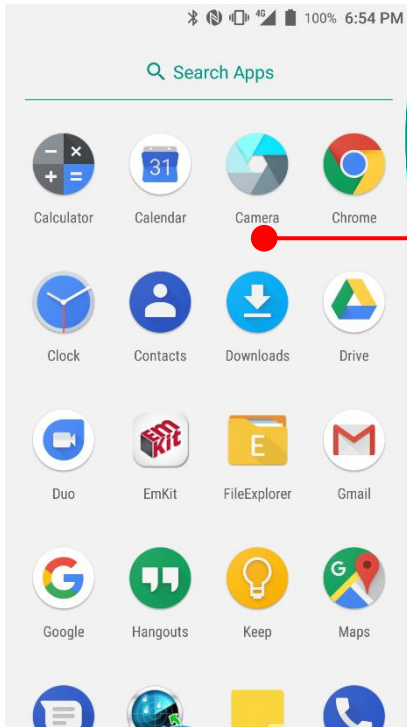


Set Bluetooth device name

Set Bluetooth device permission (This option could be various by types of the Bluetooth device)

# Use a Camera

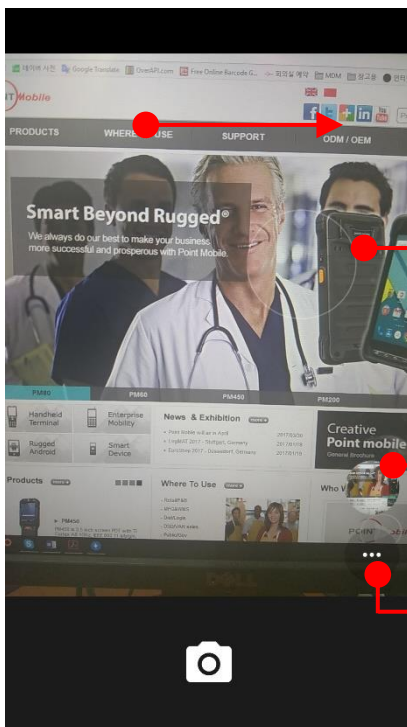
## Learning the basics



Touch icon in the favorite tray or  
 “Camera” icon



“App drawer” icon →



Swipe to change the Camera / Video mode or Settings

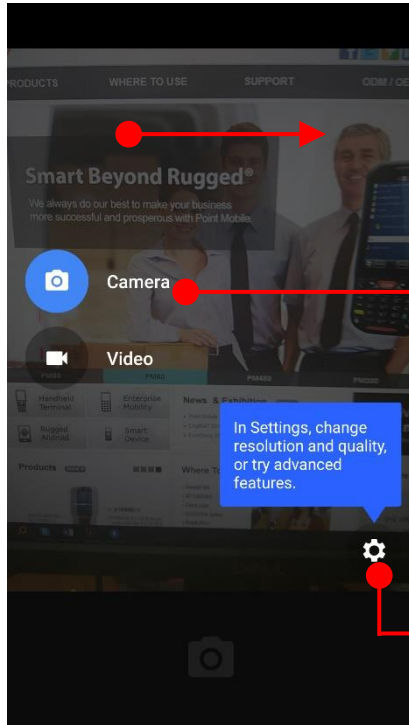
Touch for auto focusing the target area

Saved image or video

Camera or Video menu

# Use a Camera

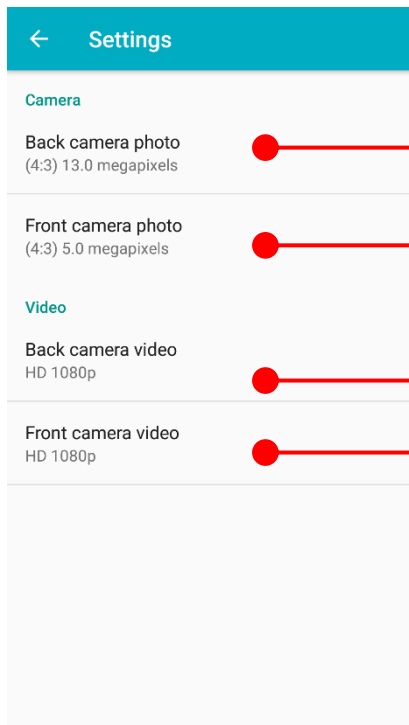
## Learning the basics



Swipe to enter the menu

Touch to change the Camera mode / Video mode

Touch to change resolution and image quality



Set rear camera image saving quality

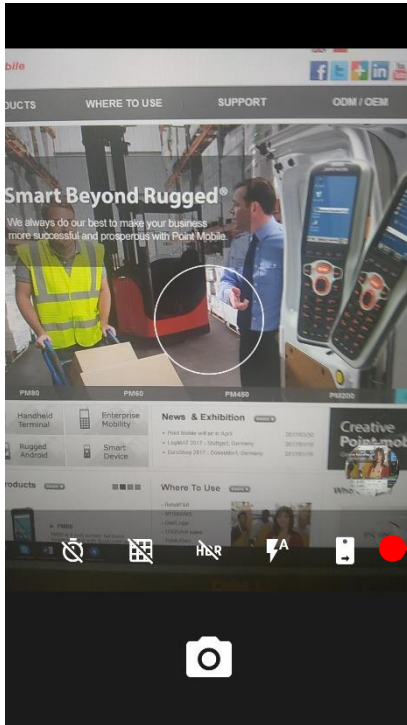
Set front camera image saving quality

Set rear camera video saving quality







Set front camera video saving quality

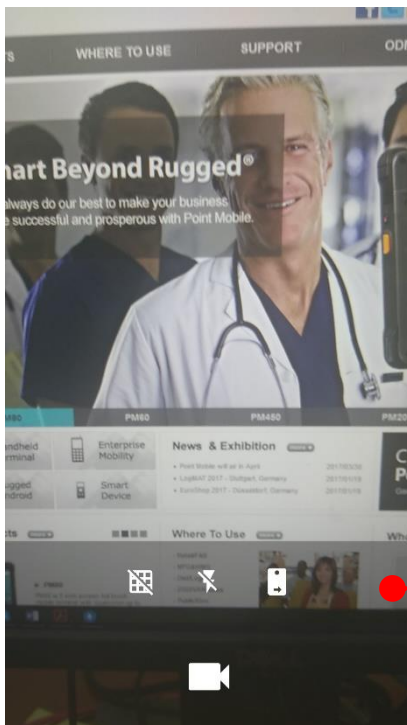
# Use a Camera

## Learning the basics







### Camera Menu

-  Timer option : 3seconds / 5seconds
-  Grid On / Off
-  HDR option
-  Flash option : Auto flash / Flash / No flash
-  Change Rear / Front camera
-  Take a photo. You may press volume up or down key

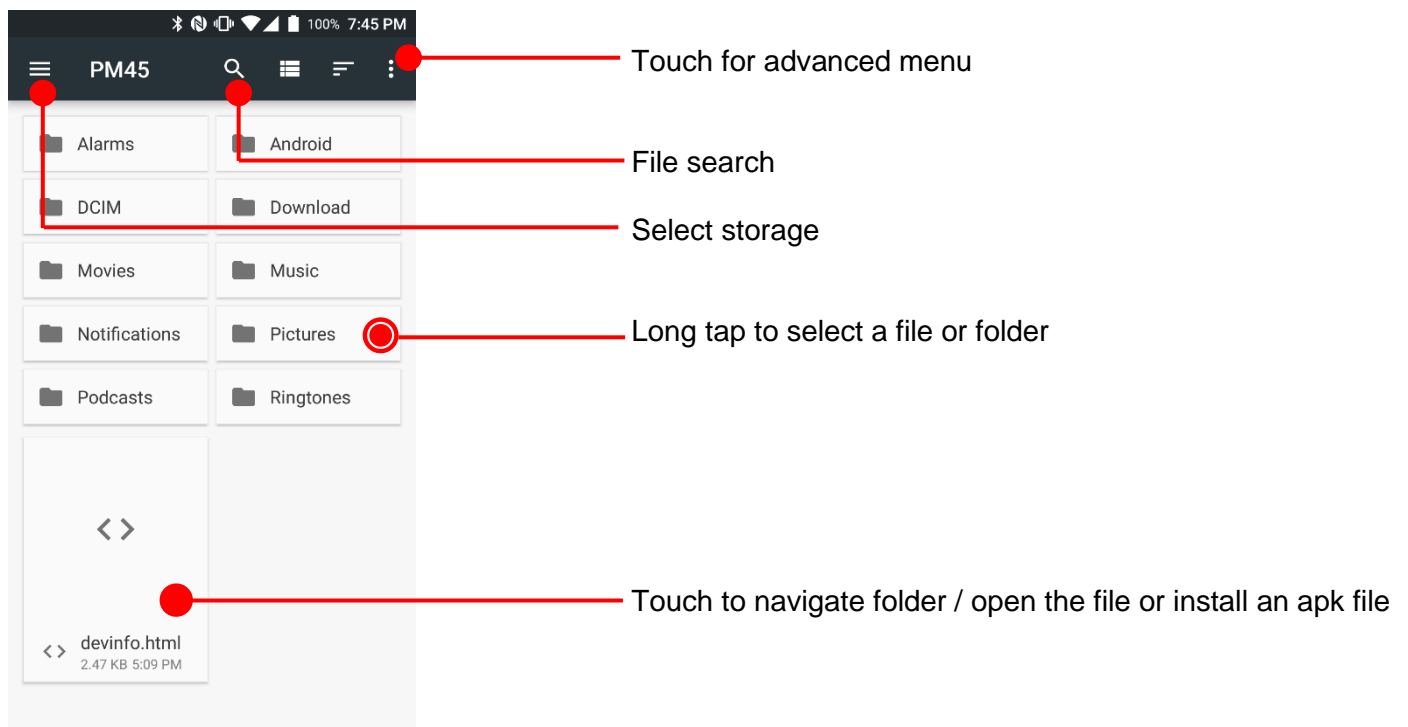
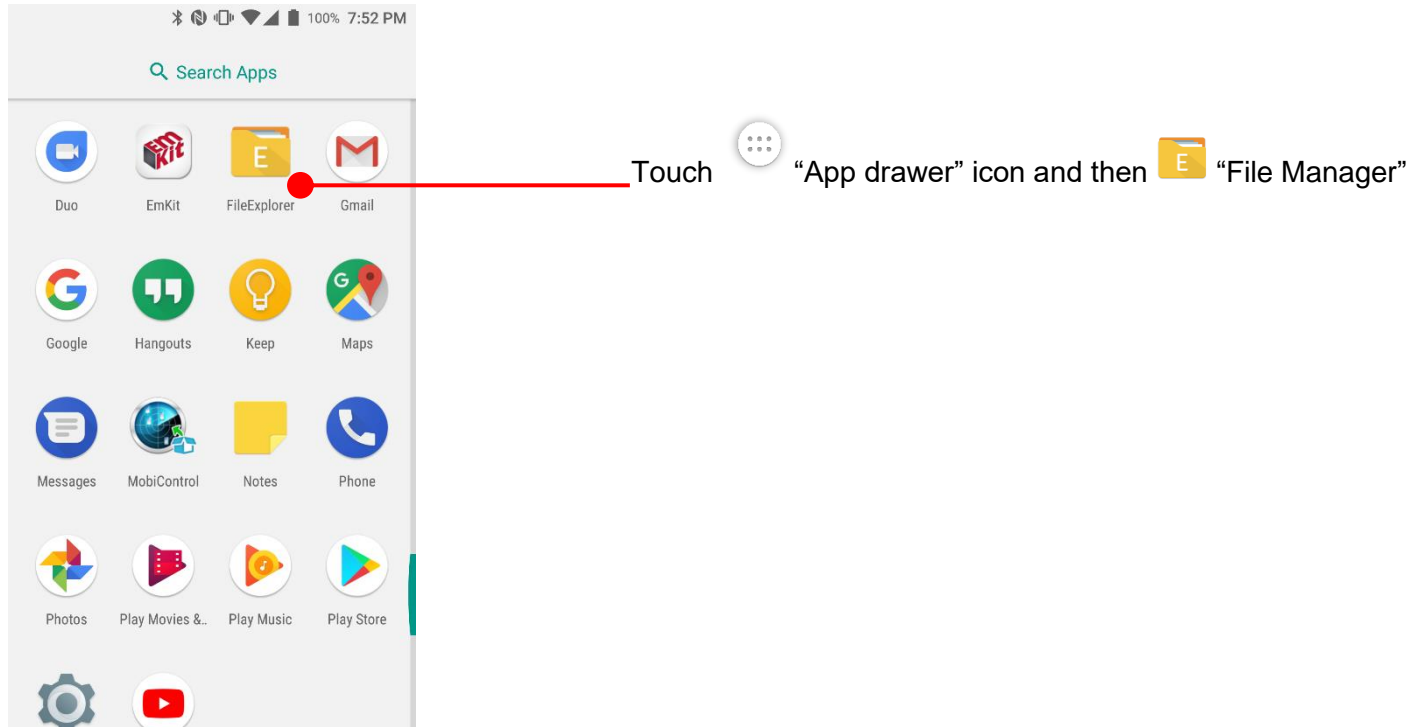


### Video Menu

-  Grid On / Off
-  Flash option : Auto flash / Flash / No flash
-  Change Rear / Front camera
-  Take a video

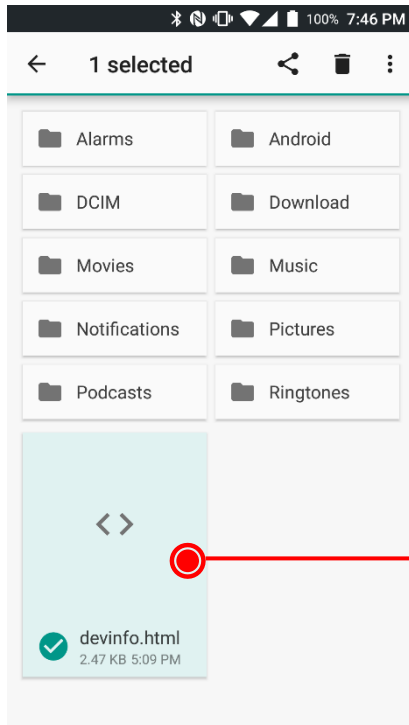
# Manage files and folders

## Learning the basics



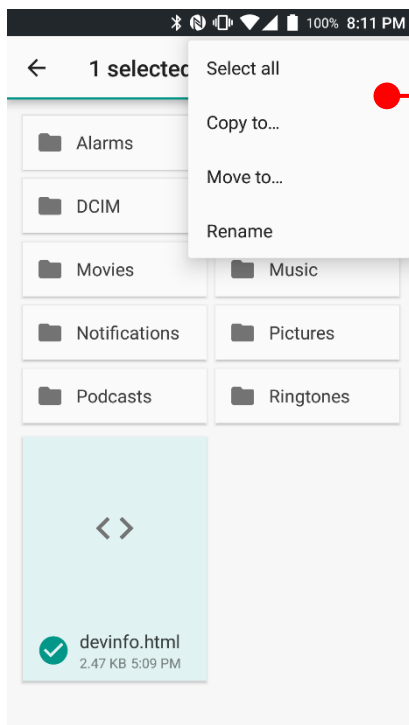
# Manage files and folders

## Learning the basics



### Long tap action

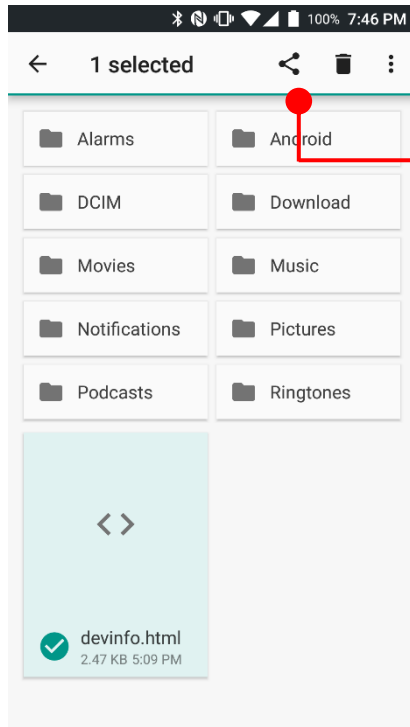
Long tap the file and touch option icon  in top-left corner




Now you can copy the file, move to specific folder or rename the file or folder

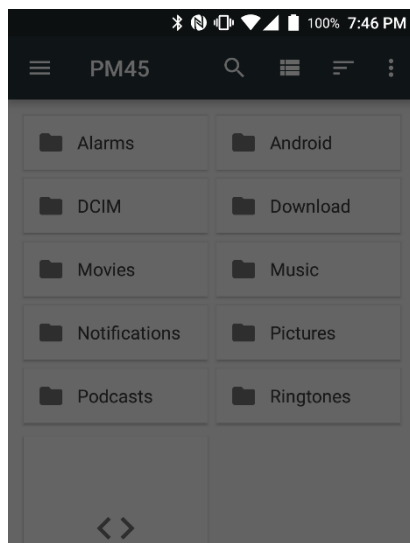
# Manage files and folders

Learning the basics



## Share a file

Long tap the file and touch share icon  in the menu



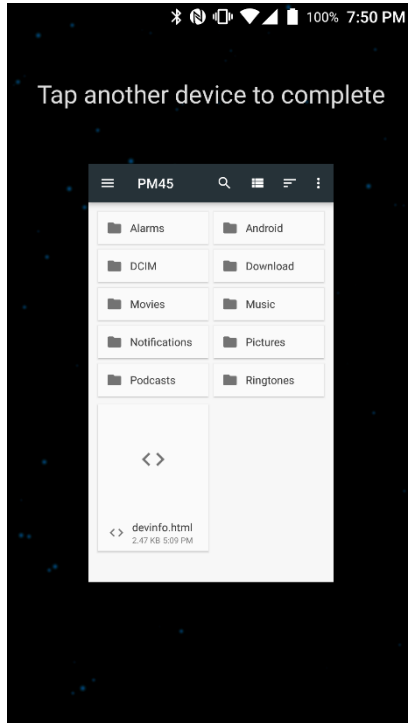
Share via



Now you can share selected file to nearby device or attach to Gmail or upload to Google Drive. Manual describe Android Beam sharing via NFC

# Manage files and folders

## Learning the basics



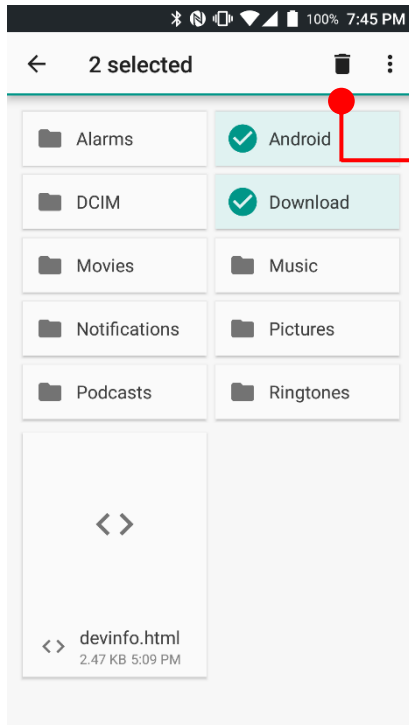
Now tag another device to PM45's battery cover. PM45 will transfer the file

**Note:** Please make sure NFC is activated. NFC antenna is in the battery cover. Please lock the battery cover firmly




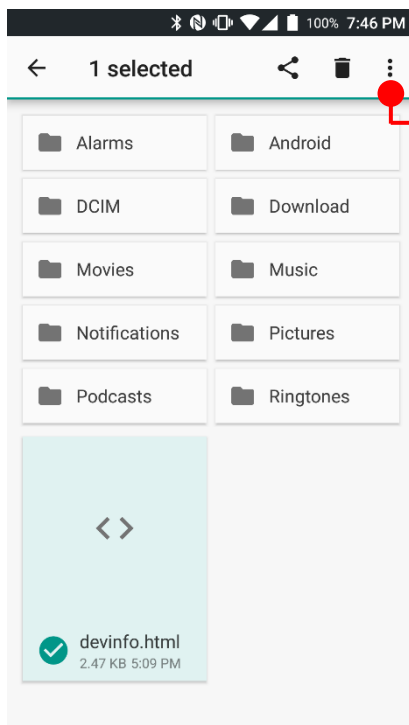
# Manage files and folders

## Learning the basics



### Delete a file

Long tap the file and touch delete icon  in the menu

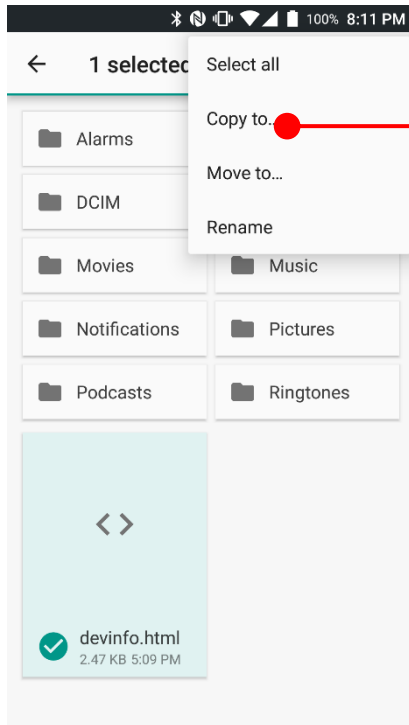


### Copy or move a file

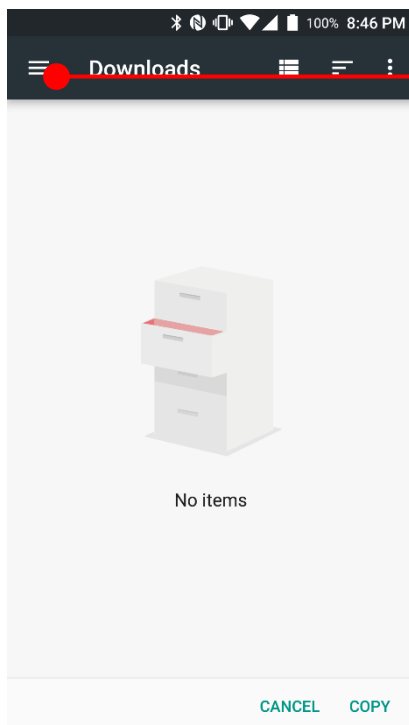
Long tap the file and touch option icon  in top-left corner

# Manage files and folders

## Learning the basics



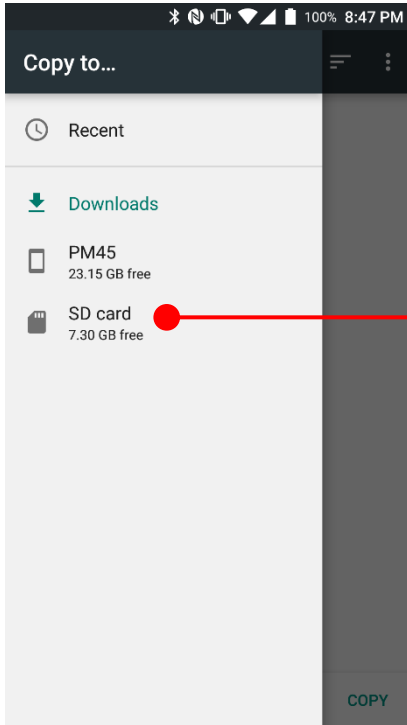
Touch "Copy to..." or "Move to..." in the menu



Touch menu icon ≡ to navigate file location

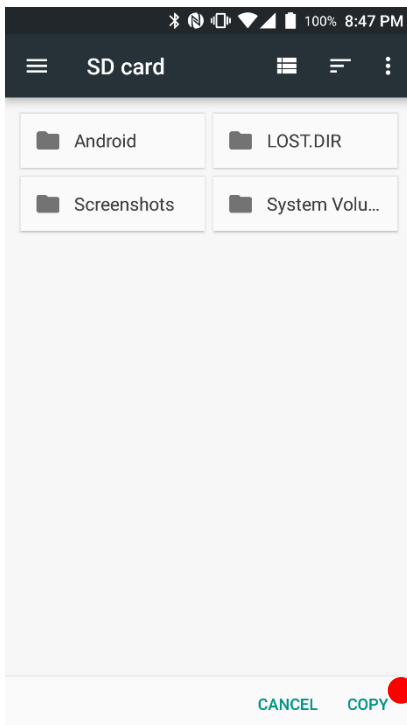
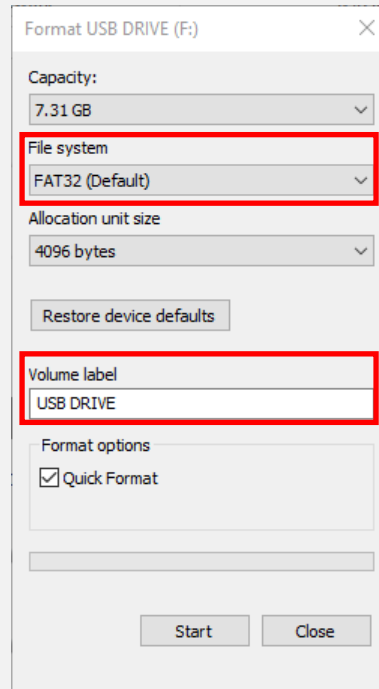
# Manage files and folders

## Learning the basics



Touch the storage where copy or move to

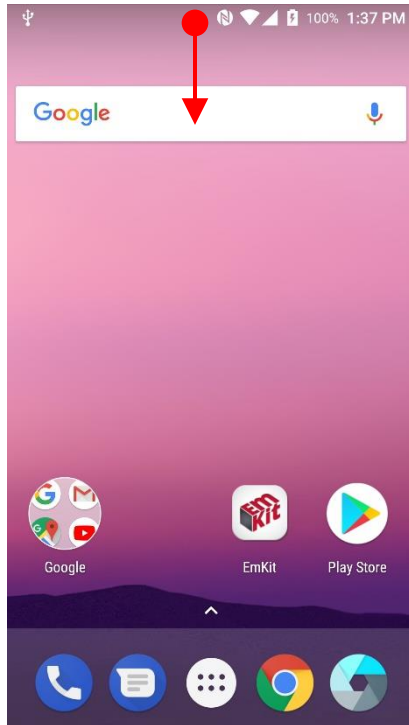
**Note:** Please format the SD card as FAT32 and make sure set the label as below screenshot from the computer



Touch "Copy"

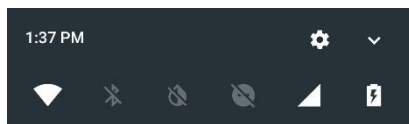
# MTP connection with PC

## Learning the basics



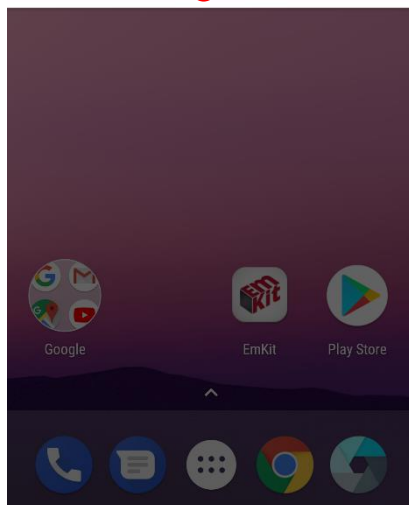
To browse files and folder in the PM45 in your PC, please change USB connect option

Scroll down the notification panel



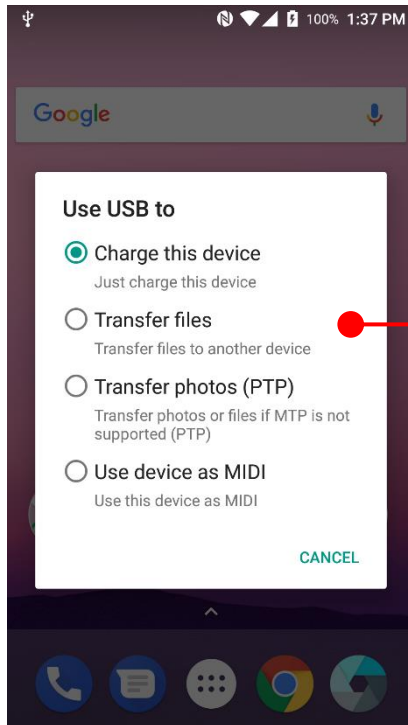
Android System  
USB charging this device  
Tap for more options.

Touch USB connect option

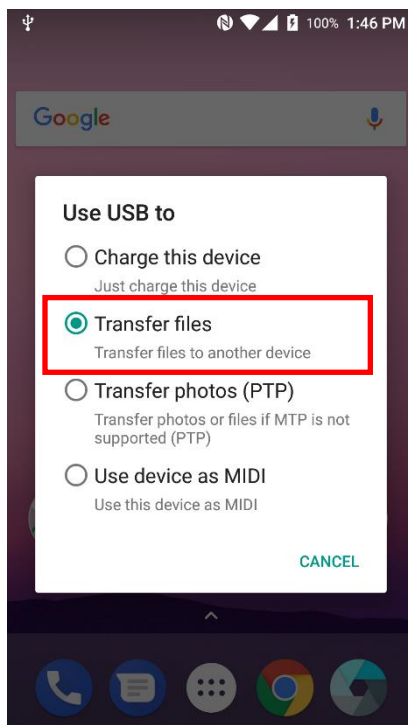


# MTP connection with PC

## Learning the basics



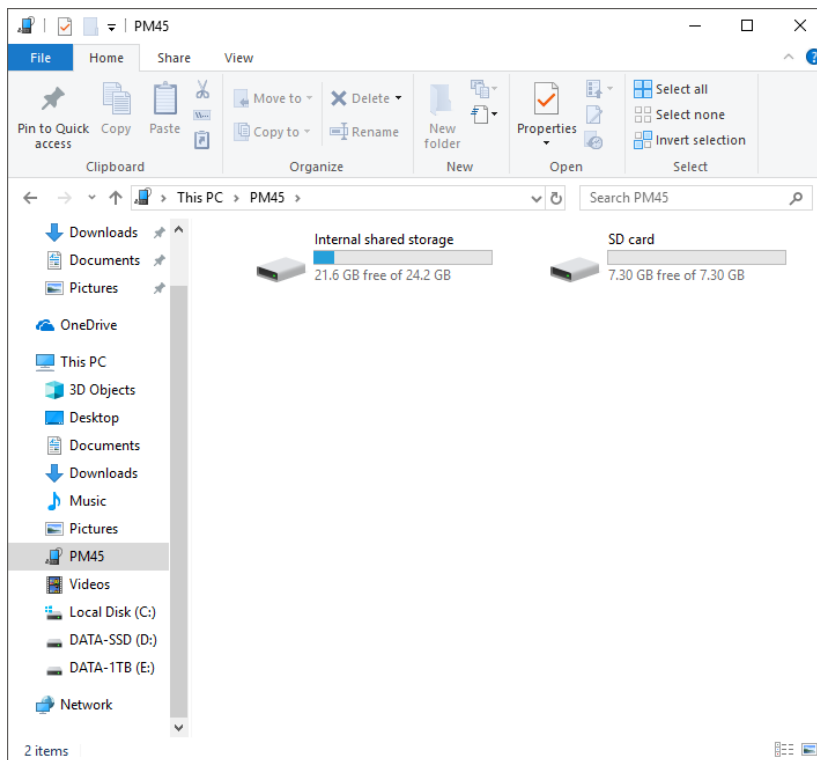
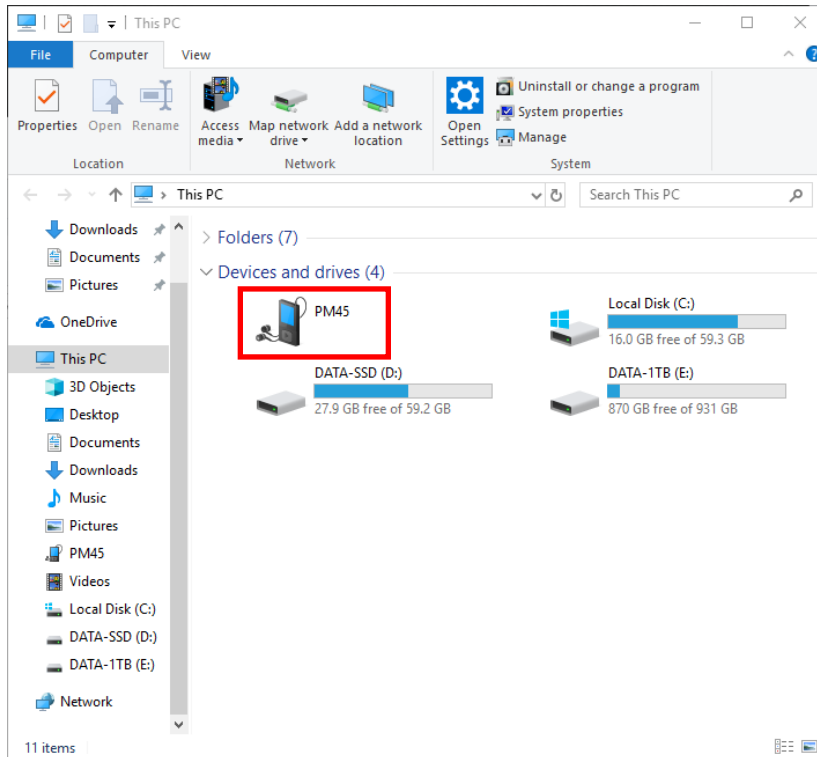
Change option to "Transfer files" from "Charge this device"



Now your PC recognize PM45 as MTP device

# MTP connection with PC

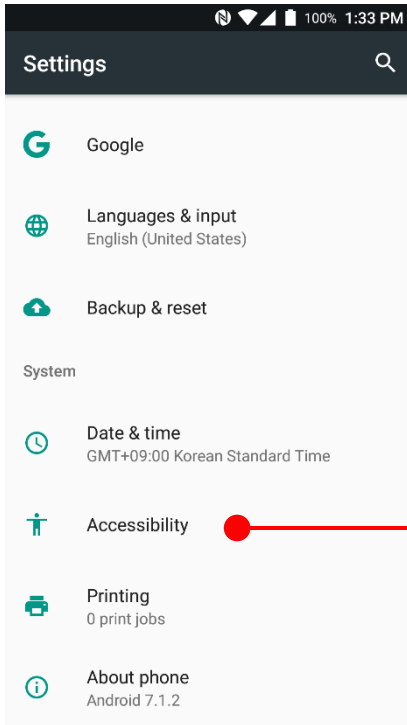
## Learning the basics





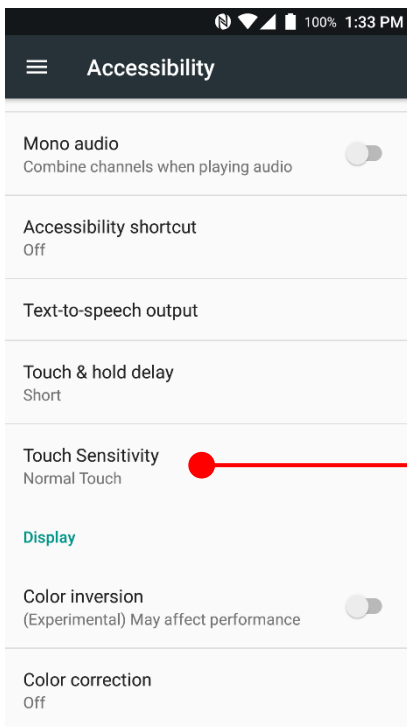
# Change a Touch Sensitivity

Learning the basics

PM45 support touch sensitivity change option



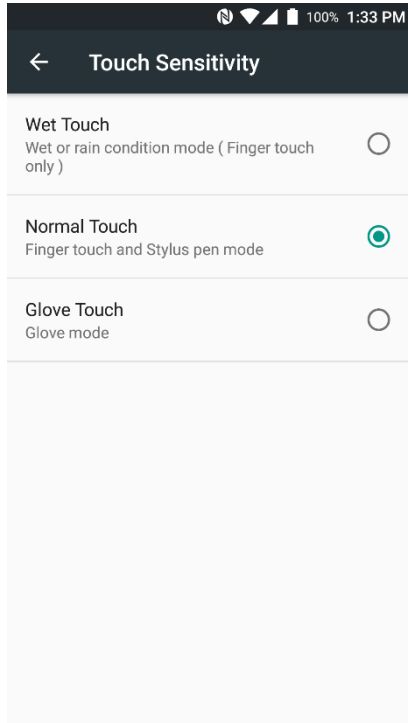
Touch  "App drawer" icon →  "Settings" and then "Accessibility"



Touch "Touch Sensitivity"

# MTP connection with PC

## Learning the basics

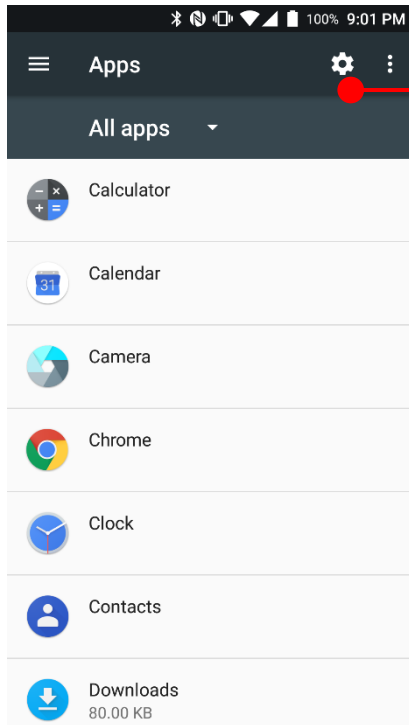



Default setting is Normal Touch. Please change sensitivity option for your usage or environment

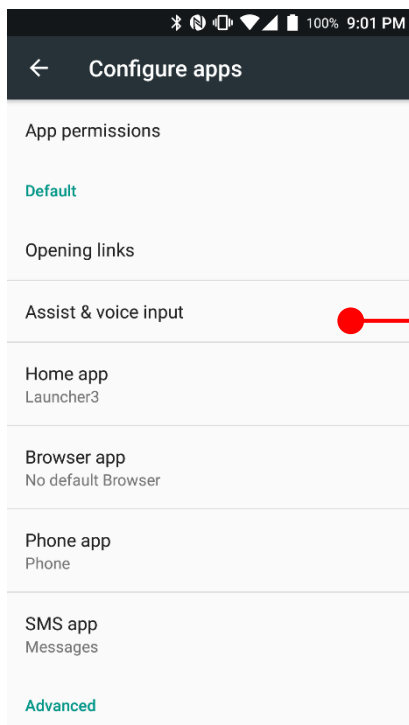


# Use a Google Assistant

## Learning the basics



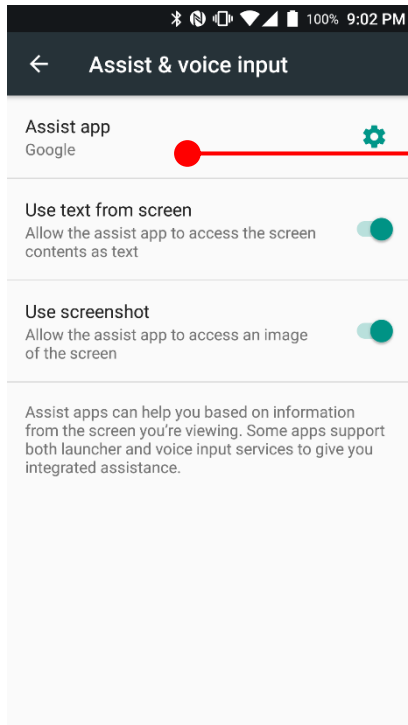
Touch  icon for app configuration change



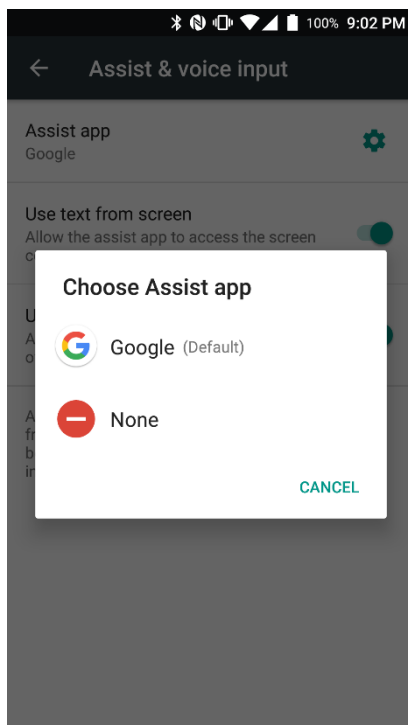
Touch Assist & voice input

# Use a Google Assistant

## Learning the basics



Make sure "Google" is selected

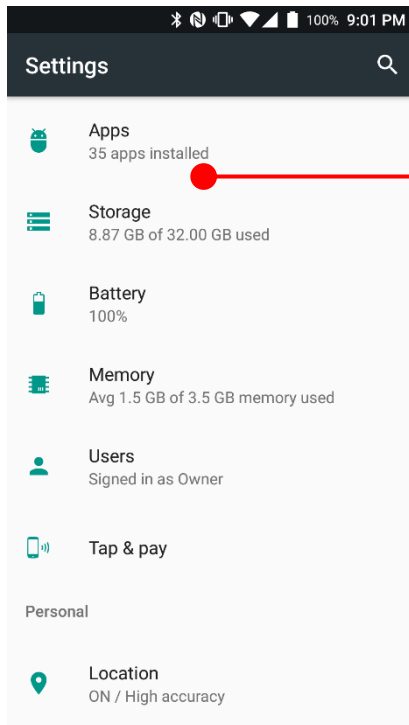


# Use a Google Assistant



Learning the basics



Touch and hold the home button key to use Google Assistant function

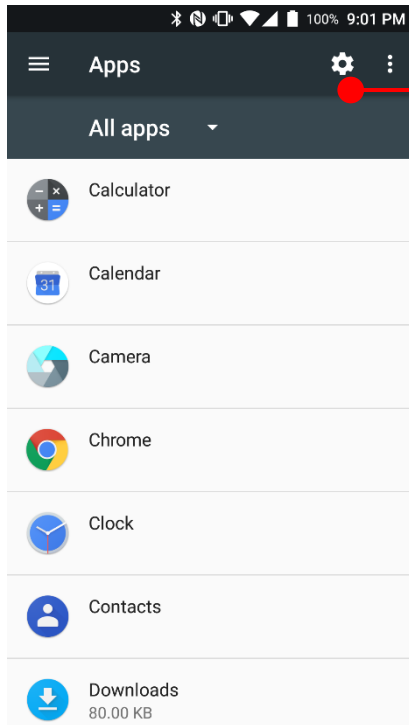



If Google Assistant doesn't work, please try followings

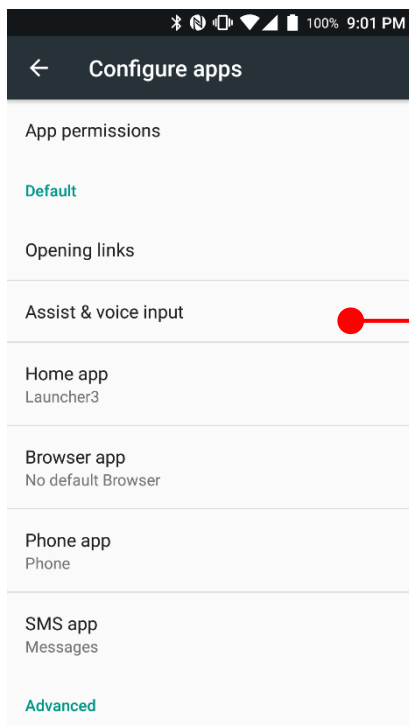
Touch  "App drawer" icon →  "Settings" and then "Apps"

# Use a Google Assistant

## Learning the basics



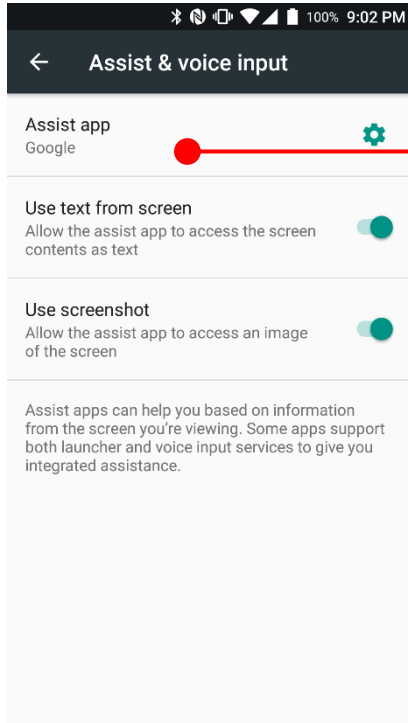
Touch  icon for app configuration change



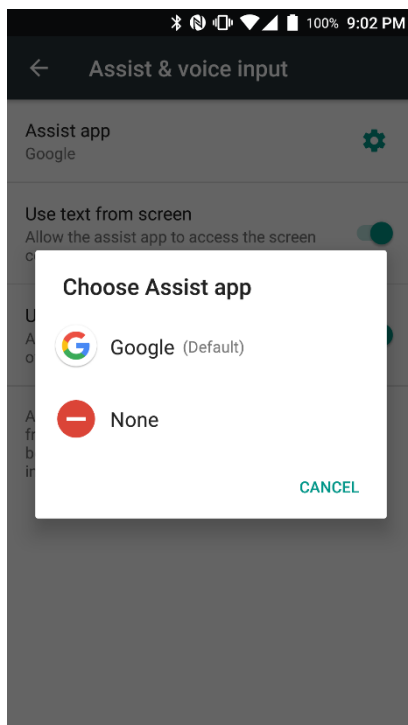
Touch Assist & voice input

# Use a Google Assistant

## Learning the basics



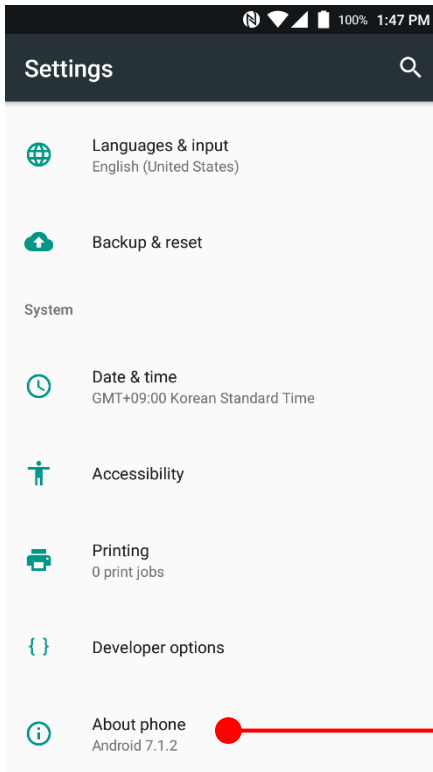
Make sure "Google" is selected



# OS Image update from a Storage

## OS Update

To update OS image, copy or place OS image file into the root folder of “Internal Storage” or “External Storage”



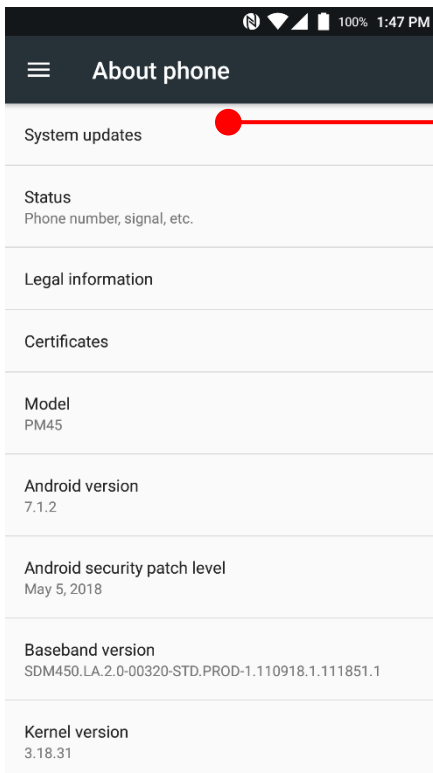
Touch phone”



“App Drawer” →



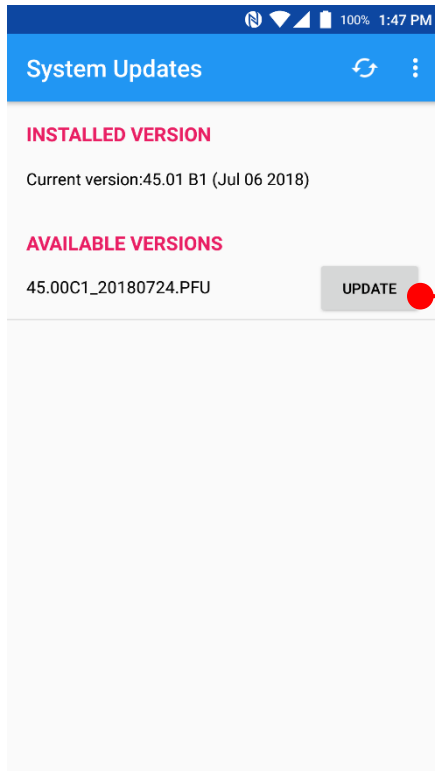
“Settings” and then “About



Touch “System Updates”

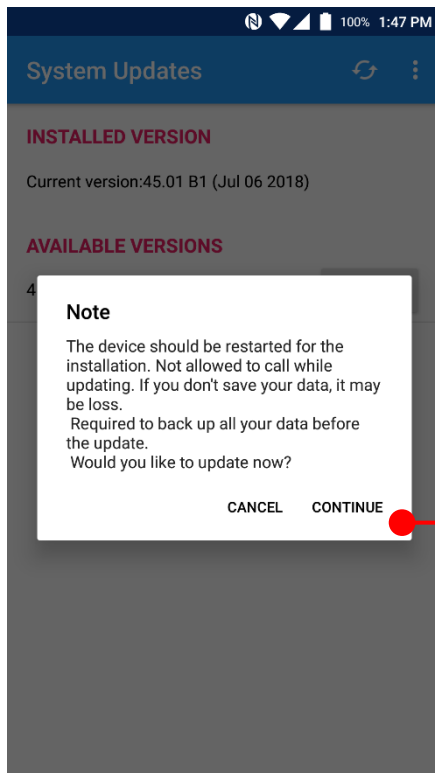
# OS Image update from a Storage

## OS Update



Your PM45 will check storage and display available OS image

Touch "Update" button

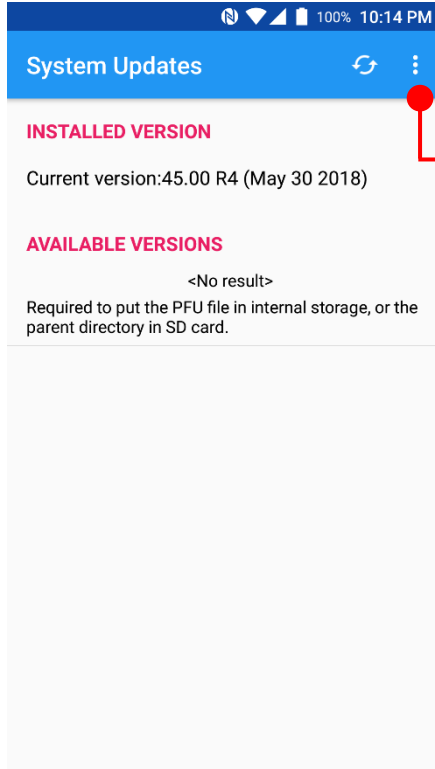



By touching the "CONTINUE" button, your PM45 start to update the OS image. During this time, you cannot use your PM45. Please save the data before start, the OS update process.

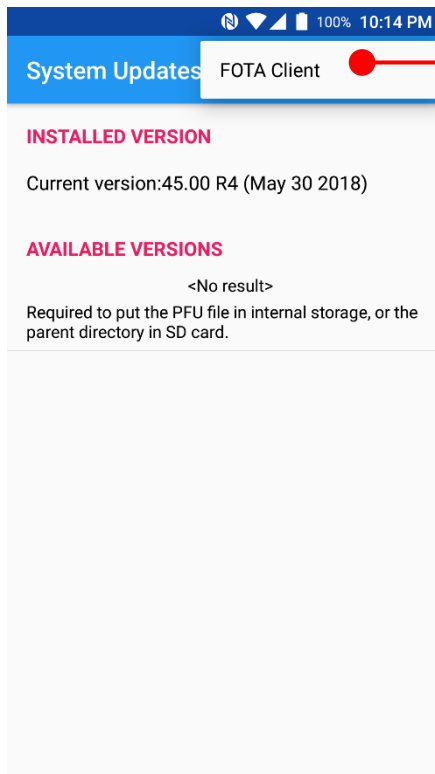
**Note:** Remaining battery level must be higher than 20%. Otherwise PM45 will not start OS update process. Please check battery level first

# OS Image update from the FOTA

## OS Update



Tap  icon for the advanced option

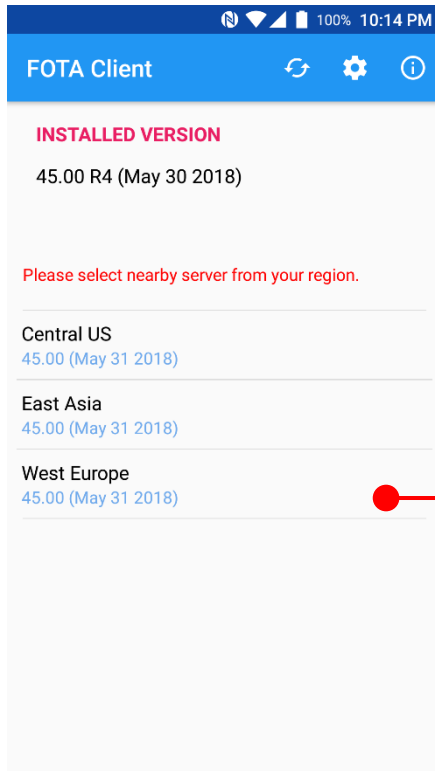


Touch "FOTA Client"



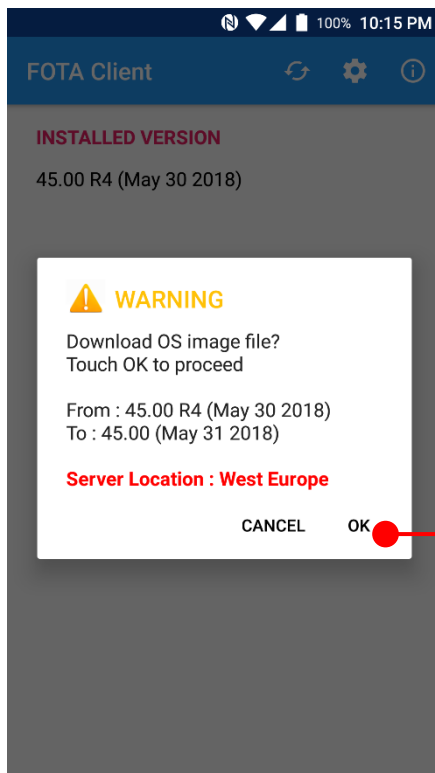
# OS Image update from the FOTA

## OS Update



PM45 will compare the OS image between FOTA server and current OS image. If there is newer OS image in the FOTA server, FOTA server will suggest downloading.

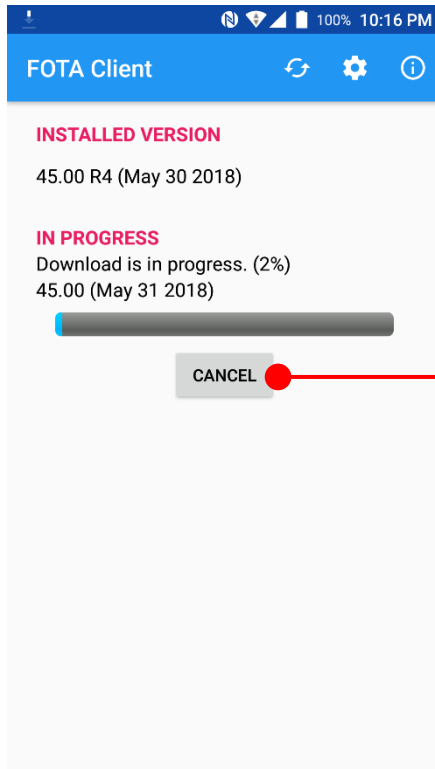
Touch the nearby server from your region



Touch "OK" to start download the image in the FOTA server

# OS Image update from the FOTA

## OS Update



You can cancel OS image download process

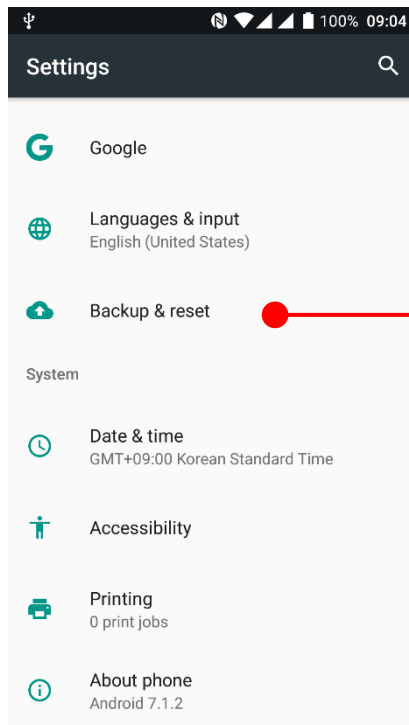
**Note:** Default OS image download setting of FOTA Client is "Download over Wi-Fi only" Please connect to the nearby Wi-Fi network for FOTA service

Remaining battery level must be higher than 20%. Otherwise PM45 will not start OS update process. Please check battery level first

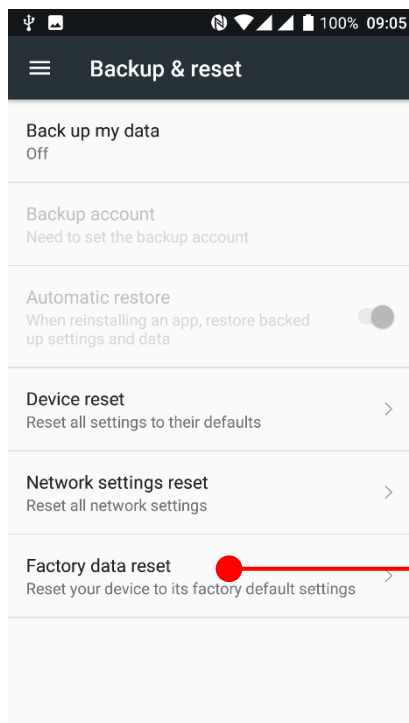
# Factory data reset from Settings

## Factory data reset

When your PM45 system is unstable and abnormal behavior occur but could not recover by rebooting, you may need to “Factory data reset” your PM45



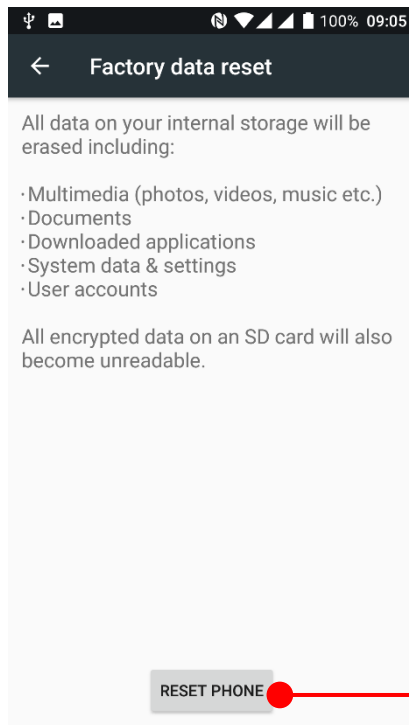
Touch  “App Drawer” →  “Settings” and then “Backup & reset”



Touch “Factory data reset”

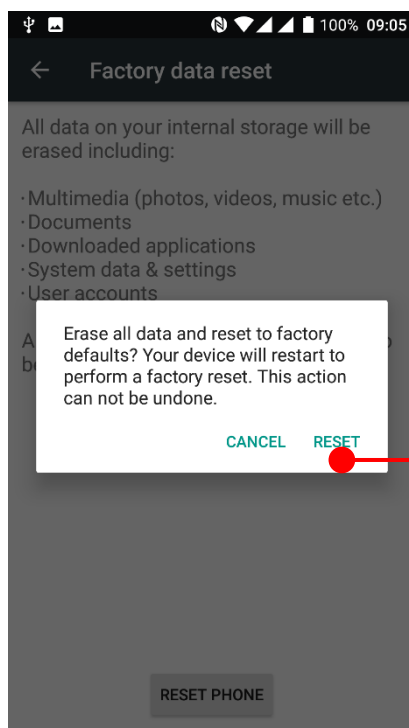
# Factory data reset from Settings

## Factory data reset



Please note, all apps and data in the internal storage will be deleted and restored to “Factory default” and this process cannot “Undo”

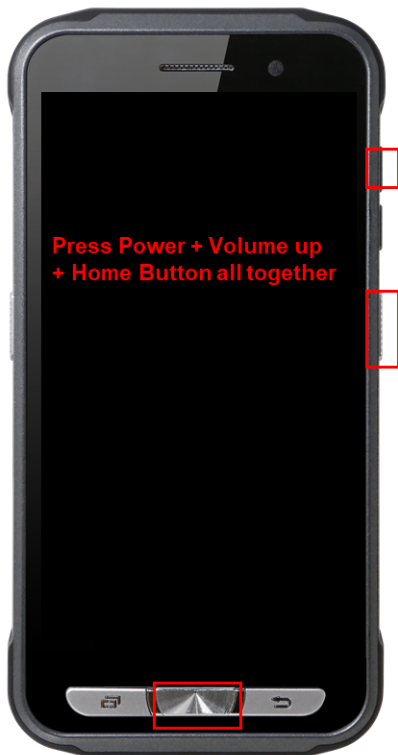
Touch RESET PHONE button to start “Factory Reset” process



Touch Reset to perform a factory reset

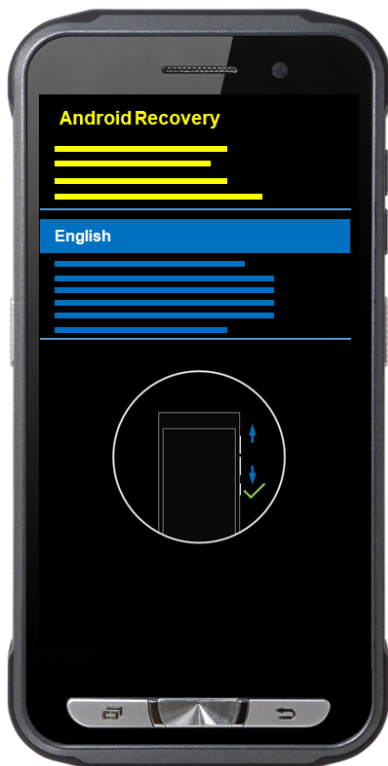
## Force Factory data reset

## Factory data reset



### Force Factory data reset your PM45

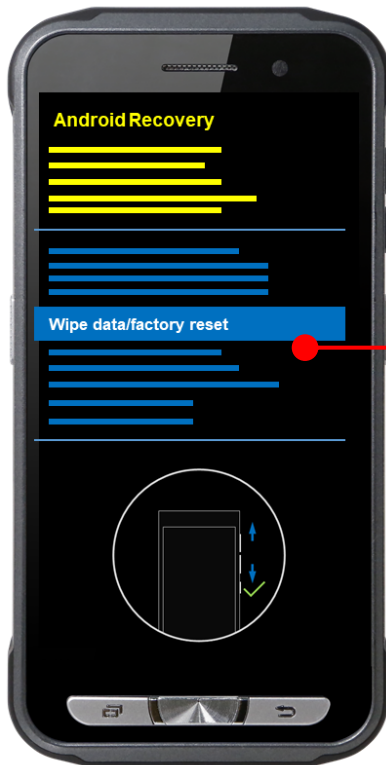
You can perform “force” factory data reset your PM45. When your PM45 turned off, press “Power” + “Volume Up” + “Home” button all together. After you see “Smart Beyond Rugged” logo display, you may release the keys.



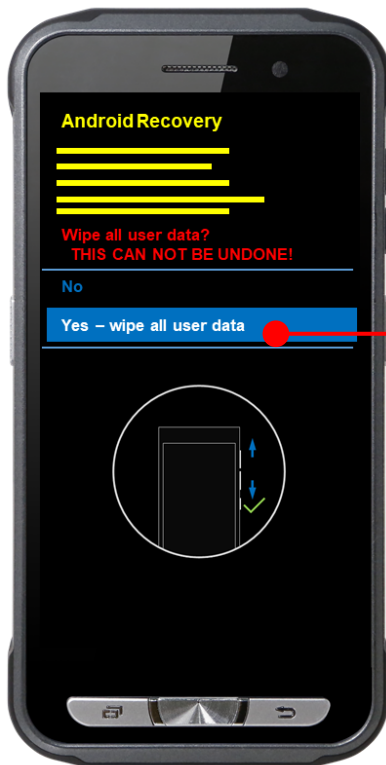
PM45 enter to the “Android Recovery” mode. In this mode, “Volume up” is “Move Up” in the menu tree and “Volume down” is “Move Down” in the menu tree. “Power Button” is “Select”

## Force Factory data reset

## Factory data reset



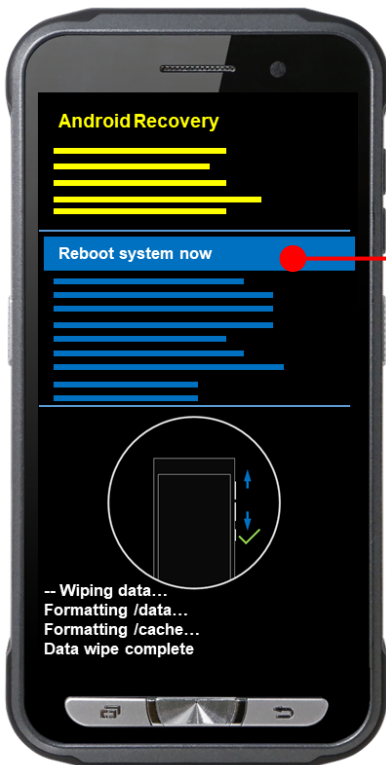
Select "Wipe data/factory reset"



Select "Yes" to perform the "Factory data reset"  
After that, your PM45 start wiping the data

## Force Factory data reset

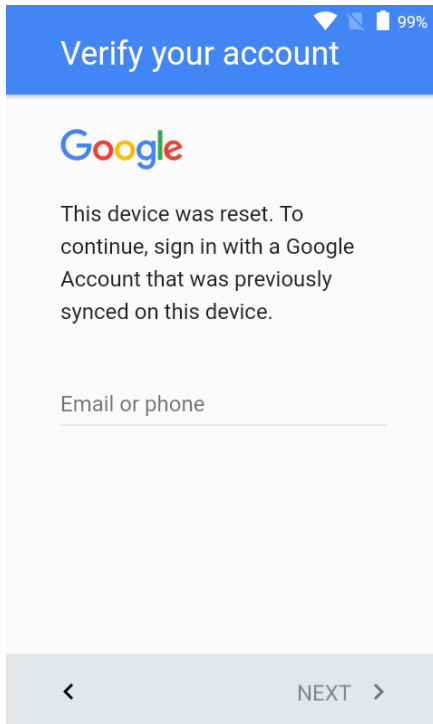
## Factory data reset



After data wiping, please select "Reboot system now" to finish the "Force Factory data reset" process

## Force Factory data reset

## Factory data reset



After Force factory reset, if PM Android Device locked by Factory Reset Protection, then please enter to Fast Boot mode and execute command

- fastboot erase config
- fastboot reboot

**Note:** Factory Reset Protection (FRP) is a security method that was designed to make sure someone can't just wipe and factory reset your device if you've lost it or it was stolen



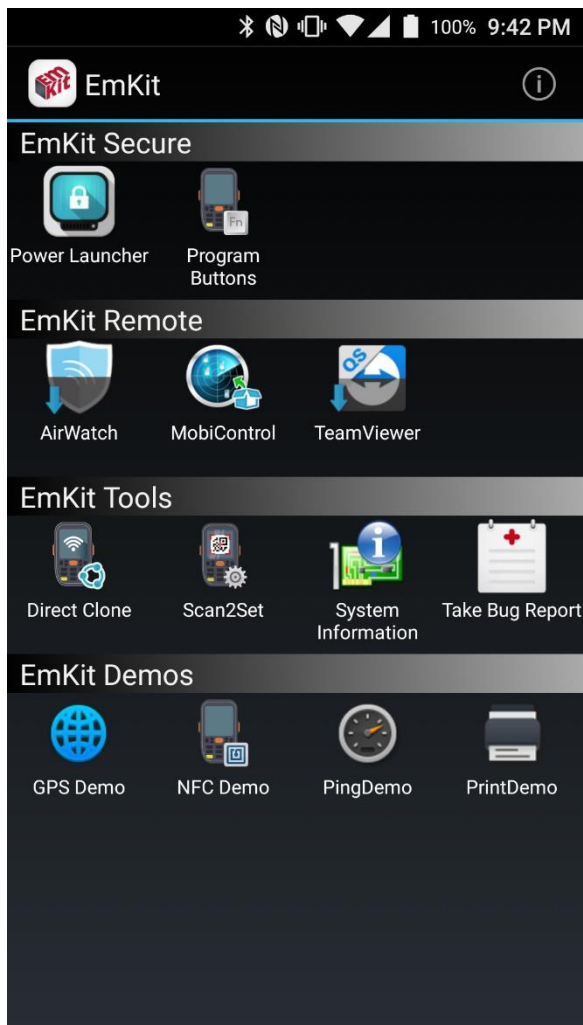
# Enterprise Mobility Kit

## EmKit

### Enterprise Mobility Kit – Truly, what Enterprise needs

Point Mobile announces new software solution – called “EmKit” is new software solution for enterprise mobility users. Our every Android device shall have EmKit pre-installed and every use can access them for free of charge\*. EmKit offers truly-value-added advantages, for enterprise users, which are against consumer-centric & non-customizable smartphones. Every solution in EmKit is 100% compatible with Point Mobile Android GMS certified devices.

\* Necessary MDM license subjects upon individual subscribers

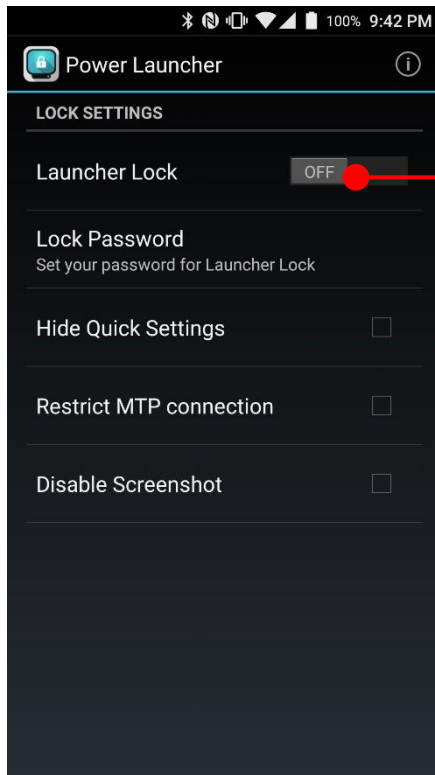


EmKit consist with “**EmKit Secure**”, “**EmKit Remote**”, “**Emkit Tools**” and “**EmKit Demos**”

- EmKit Secure “Lock Your Device”
- EmKit Remote “Mobile Device Management”
- EmKit Tools “Smarty Tools Ease Enterprise”
- EmKit Demos “Friendly For Programmers”

# EmKit Secure

EmKit

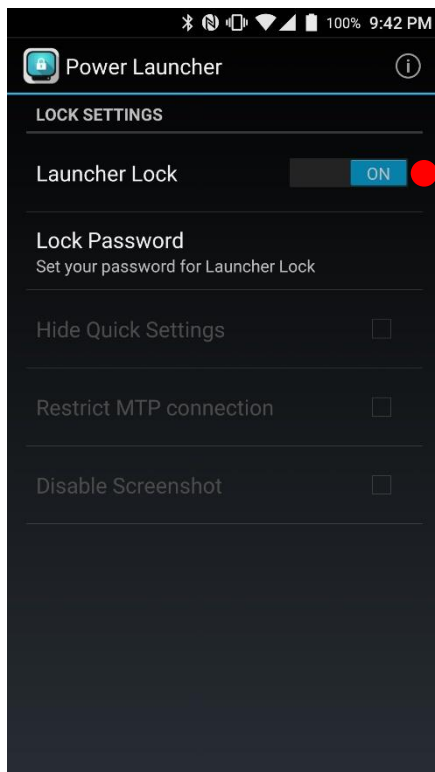


## Power Launcher

You can lock your Point Mobile Android model's **Home Screen** and limit to access app drawer or specific function. This function as known as **Kiosk mode**.

- Hide Quick Settings : Limit to access quick setting panel
- Restrict MTP connection : Limit to access Point Mobile Device's MTP connection
- Screenshot Disable : Disable screenshot capture in OS level

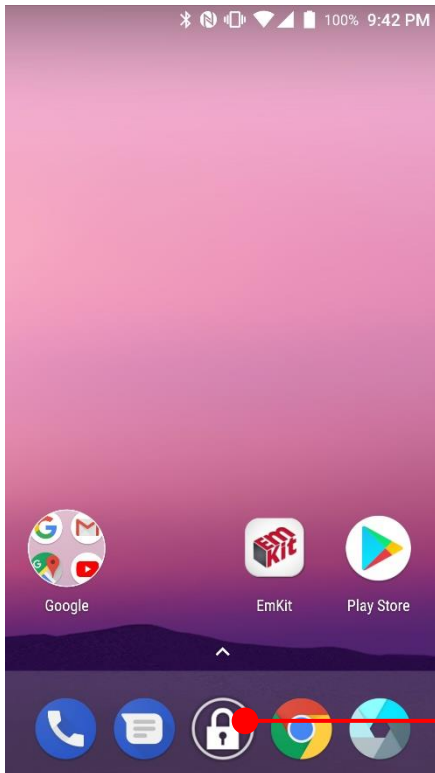
Restriction feature will be keep added.



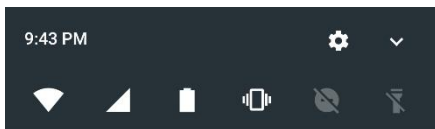
After restriction feature check, switch **Launcher Lock** to On.

# EmKit Secure

EmKit



When Power Launcher is locked, operator could not access to **App drawer**.

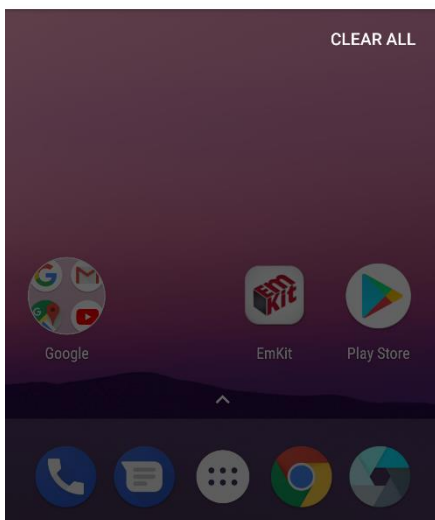


Android System ^

Couldn't capture screenshot.

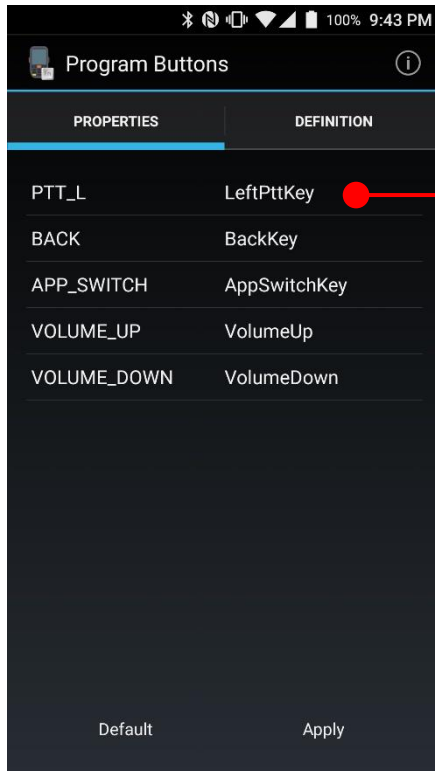
Taking screenshots is not allowed by the app or your organization.

Example of **Screenshot Disable** restriction.



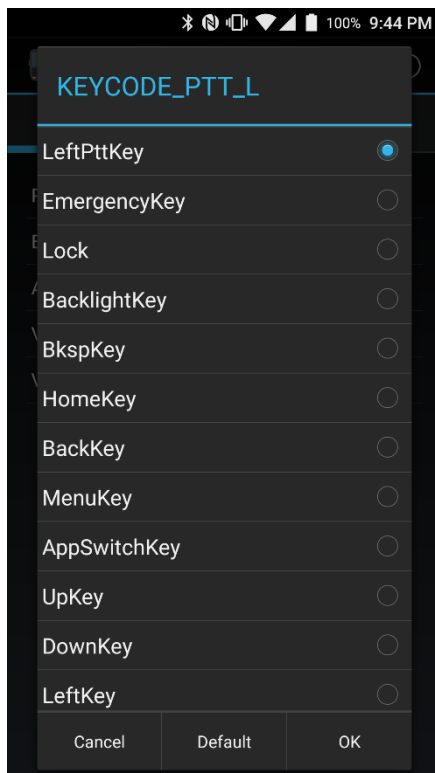
# EmKit Secure

EmKit



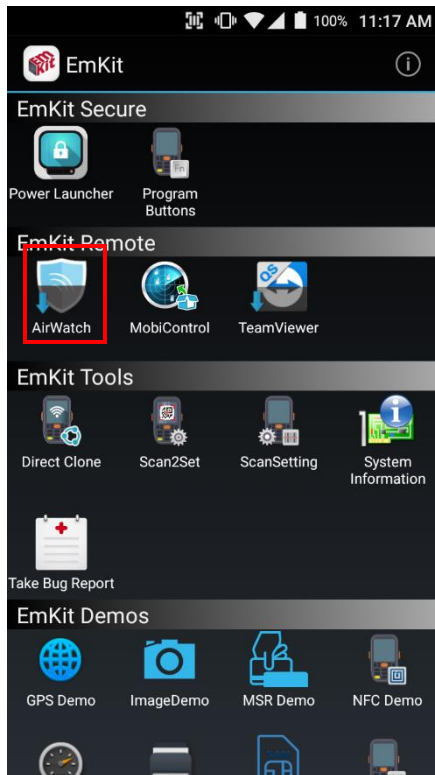
## Program Buttons

You can assign Hardware buttons function to rich pre-assigned functions. Also you can applying the customized KCM file (Key Character Map Files) here.

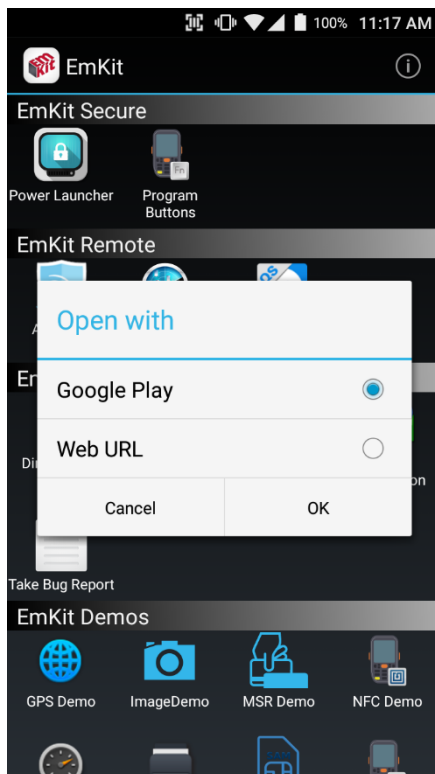


# EmKit Remote

## EmKit



To install the AirWatch agent to Point Mobile Android device, please touch AirWatch icon

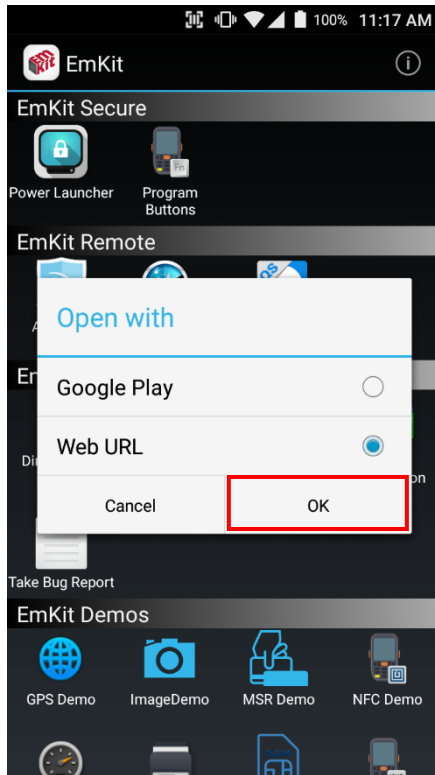


App provides AirWatch agent install via Google Play or Web URL.

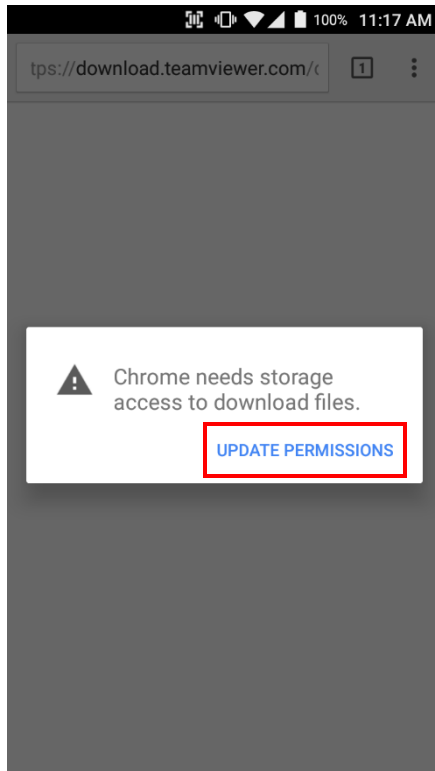
- Google Play method requires Google account login. AirWatch agent download and install managed by Google Play
- Web URL method requires user's manual installation

# EmKit Remote

## EmKit



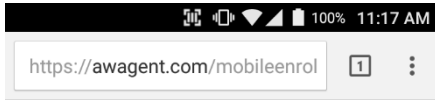
To install AirWatch agent from Web URL method, select Web URL and then **OK**



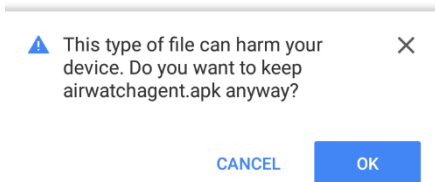
Web browser will download the apk file to the Point Mobile Android device. Before downloading, browser need permission to download apk file to the storage. Please touch **Update Permissions** button

# EmKit Remote

## EmKit



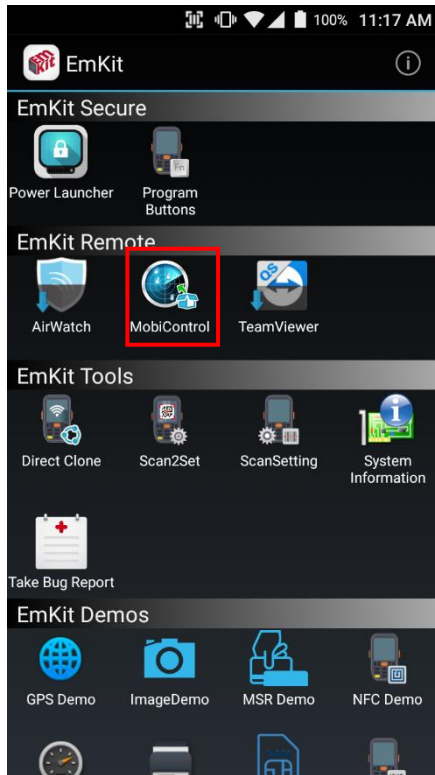
After permission update, web browser download the latest version of AirWatch agent apk file. Install this apk file to Point Mobile Android device.



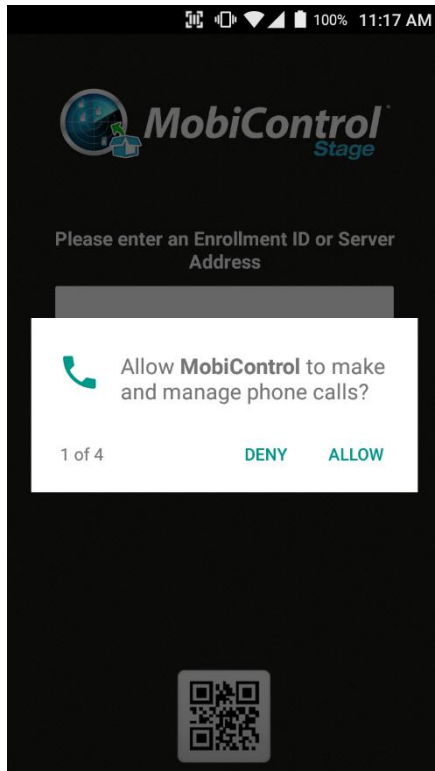
**Note:** If you need to install specific agent version, please contact to AirWatch

# EmKit Remote

## EmKit



SOTI Mobi Control installer is pre-installed to Point Mobile Android device. To start enrollment process, please touch MobiControl icon

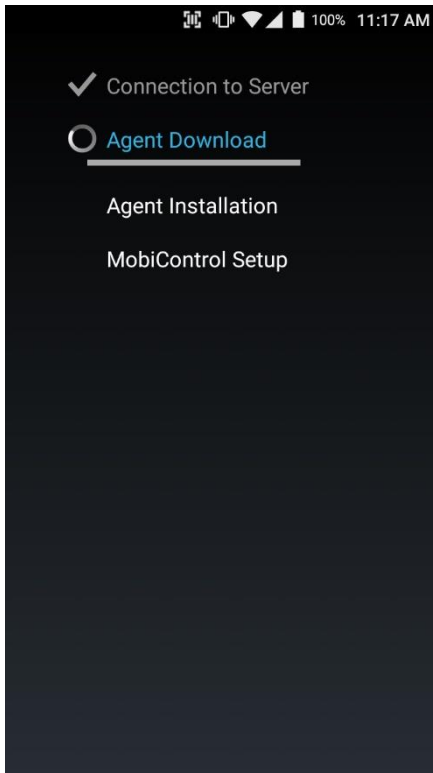


Mobi Control app request permission grant during enrollment process. Please allow it.



# EmKit Remote

## EmKit

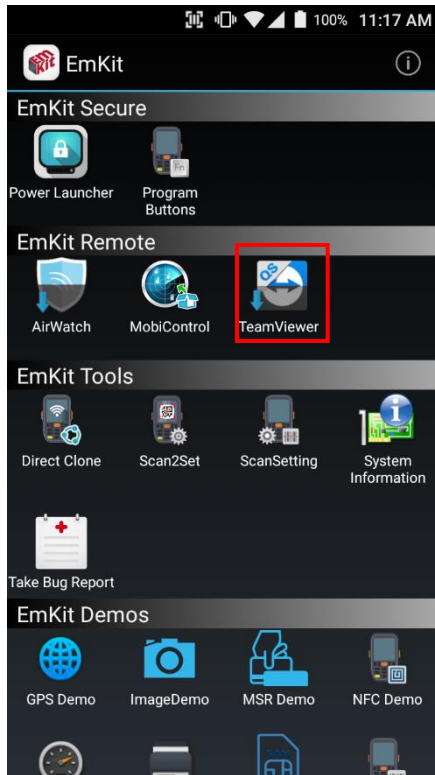


After login, Mobi Control app communicate with SOTI server and then install the Mobi Control agent

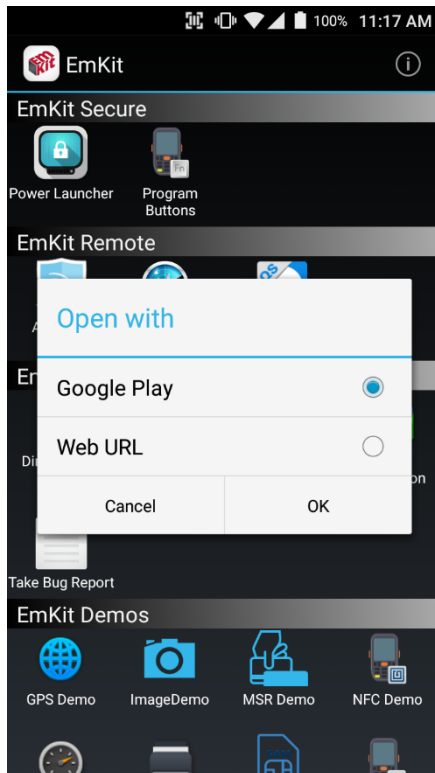
**Note:** Agent version determine from SOTI console's setting. If agent version is incorrect after enrollment, please contact to SOTI

# EmKit Remote

## EmKit



To install the TeamViewer QS app to Point Mobile Android device, please touch TeamViewer icon

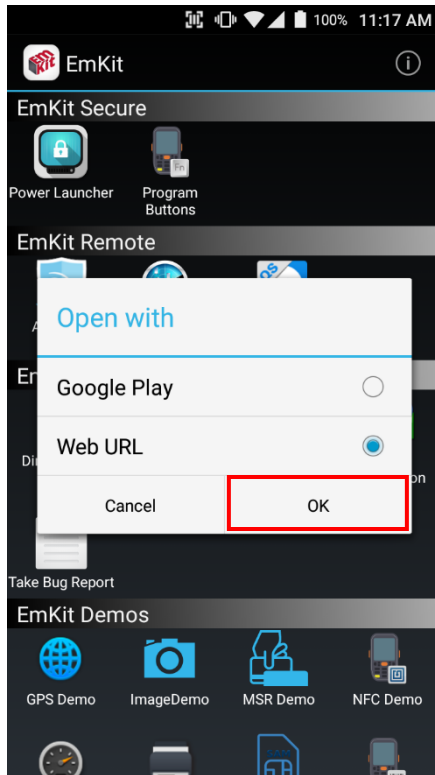


App provides TeamViewer QS app install via Google Play or Web URL.

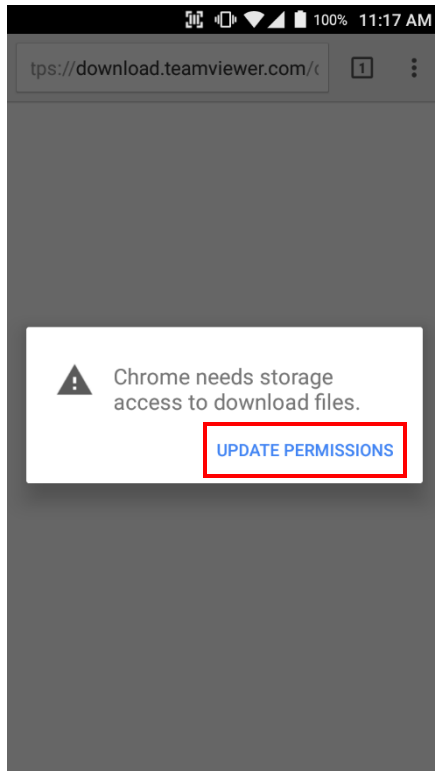
- Google Play method requires Google account login. TeamViewer QS app download and install managed by Google Play
- Web URL method requires user's manual installation

## EmKit Remote

## EmKit



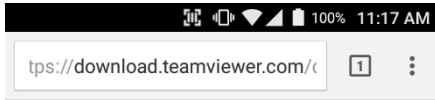
To install TeamViewer QS app from Web URL method, select Web URL and then **OK**



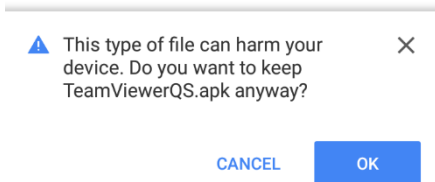
Web browser will download the apk file to the Point Mobile Android device. Before downloading, browser need permission to download apk file to the storage. Please touch **Update Permissions** button

# EmKit Remote

## EmKit



After permission update, web browser download the latest version of TeamViewer QS apk file. Install this apk file to Point Mobile Android device.



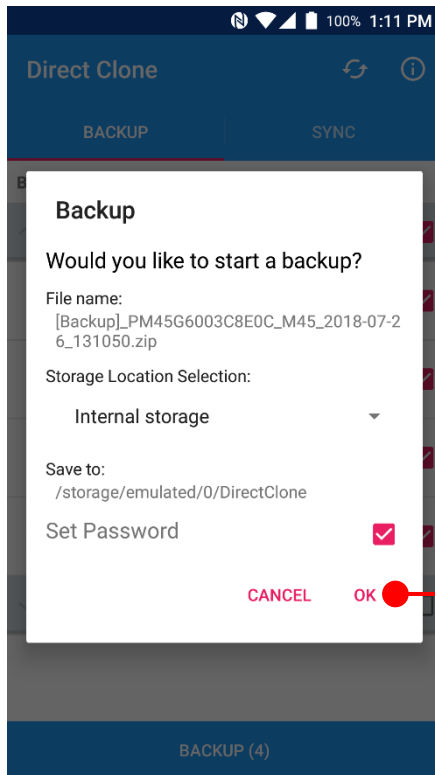
**Note:** If you need to install specific TeamViewer QS version, please contact to TeamViewer

# EmKit Tools

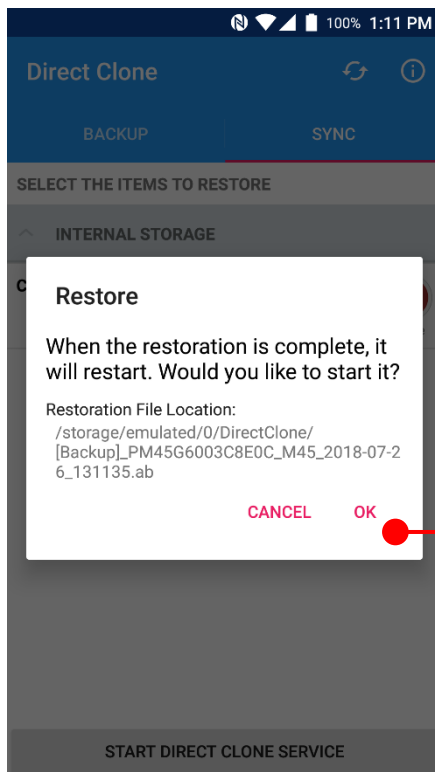
## EmKit

### Direct Clone

Create the **Master PDA** - backup your system settings and apps into a secured file. Without any network connection, Master PDA become a local server in your work place. Nearby Point Mobile device will automatically communicate with Master PDA and download the backup file and then **Restore**.



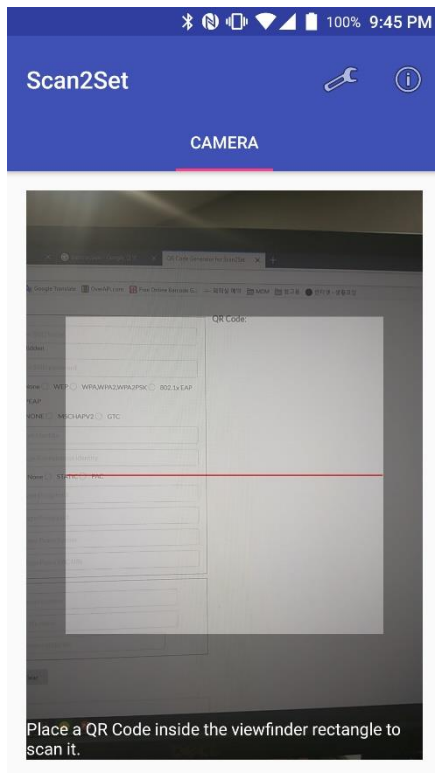
Create the backup file



Backed up file will restore your Point Mobile Android device.

# EmKit Tools

## EmKit

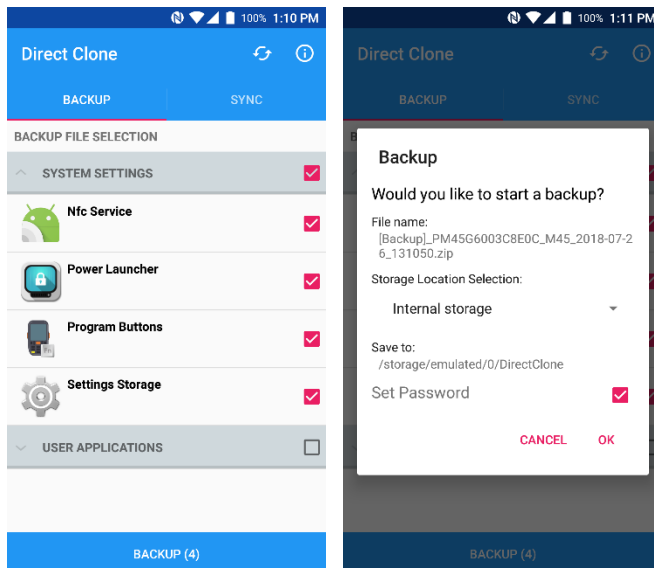


### Scan2Set

Scan2Set is designed for the network environment. Point Mobile Android device downloads the Direct Clone file from the FTP, Web server and Google Drive with just one QRcode Scan!

- Scan your QR code and,
- Connect to your network
  - Restore your PDA
  - Work Managed Device setup

### Step 1. Create Direct Clone Backup file



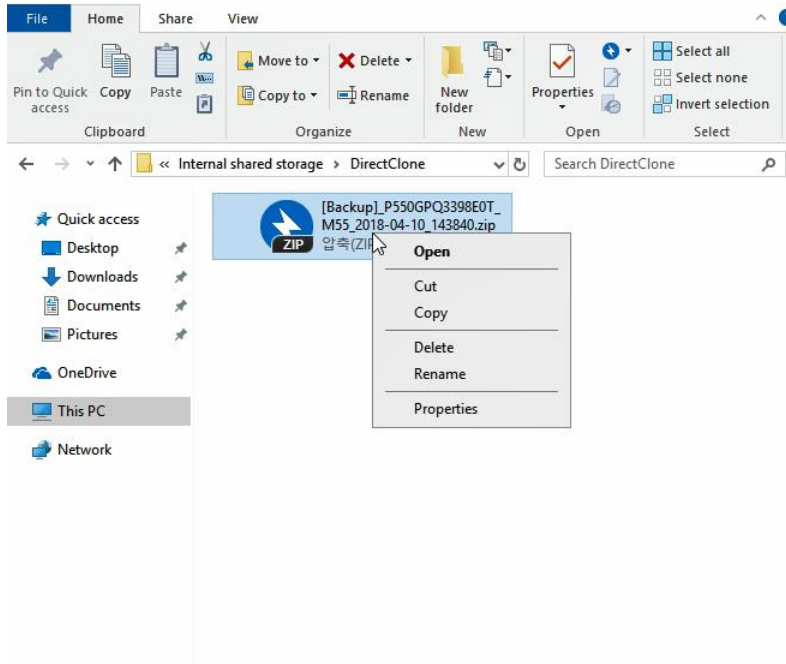
- Make a Direct Clone file from Master PDA device

# EmKit Tools

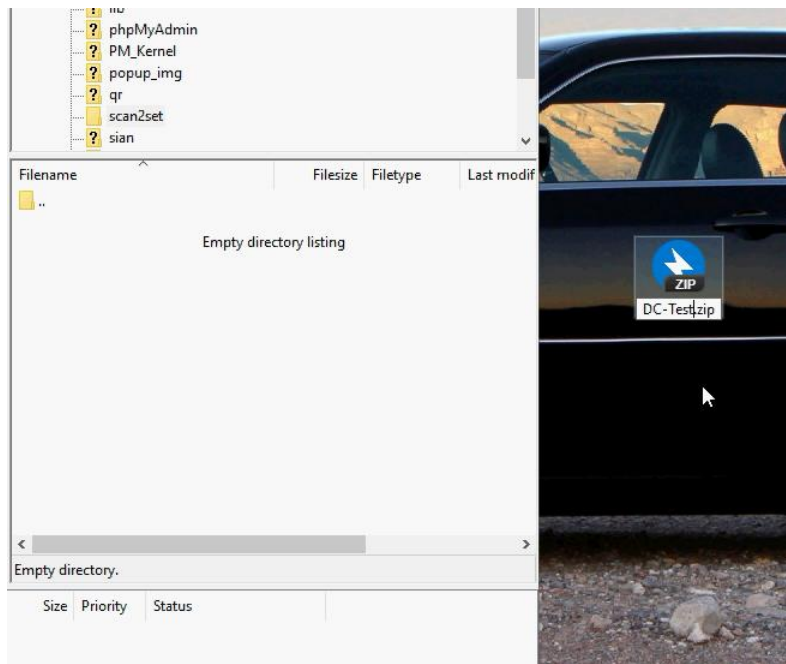
## EmKit

### Step 2. Upload Direct Clone file to your FTP site or Web server

- Copy the Direct Clone file from the Point Mobile Android device

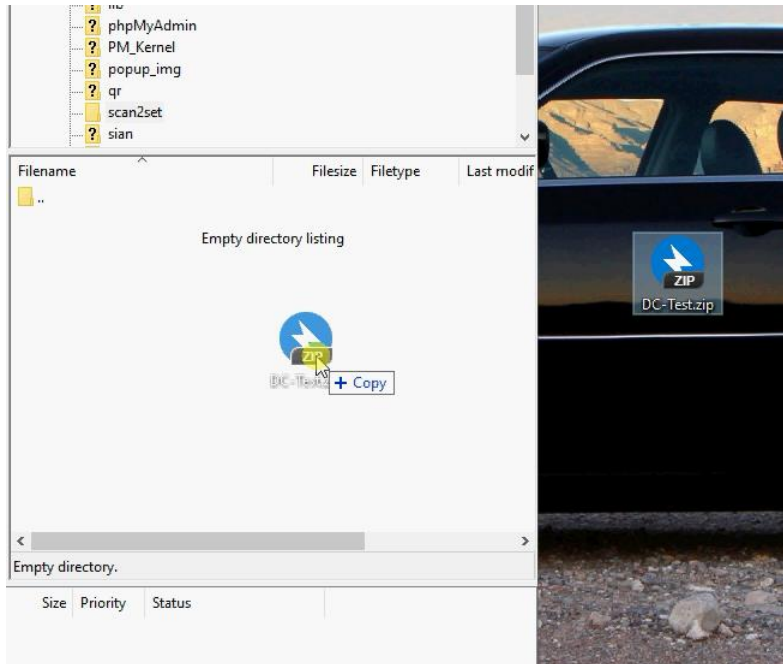


- Upload this file to your FTP site or Web Server. You may change file name

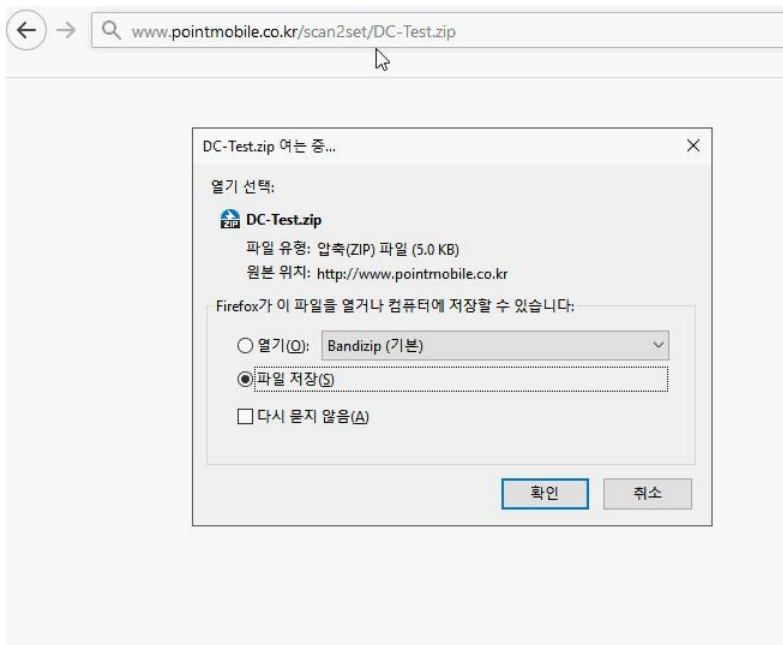


# EmKit Tools

## EmKit



- After file uploading, please check the url first. File should be download with url address.



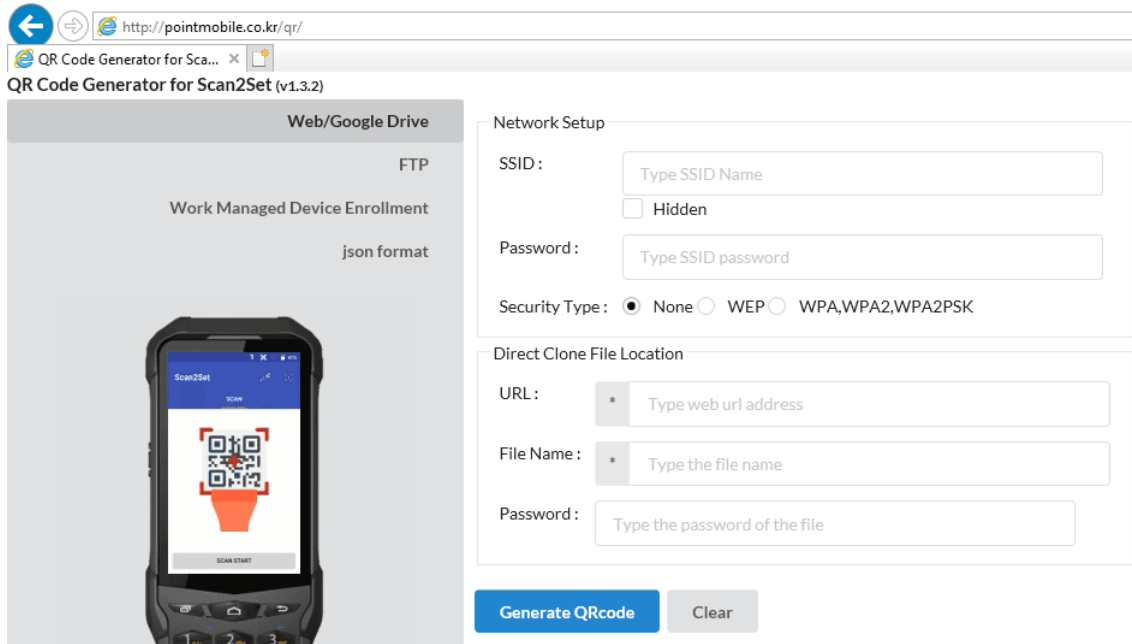


# EmKit Tools

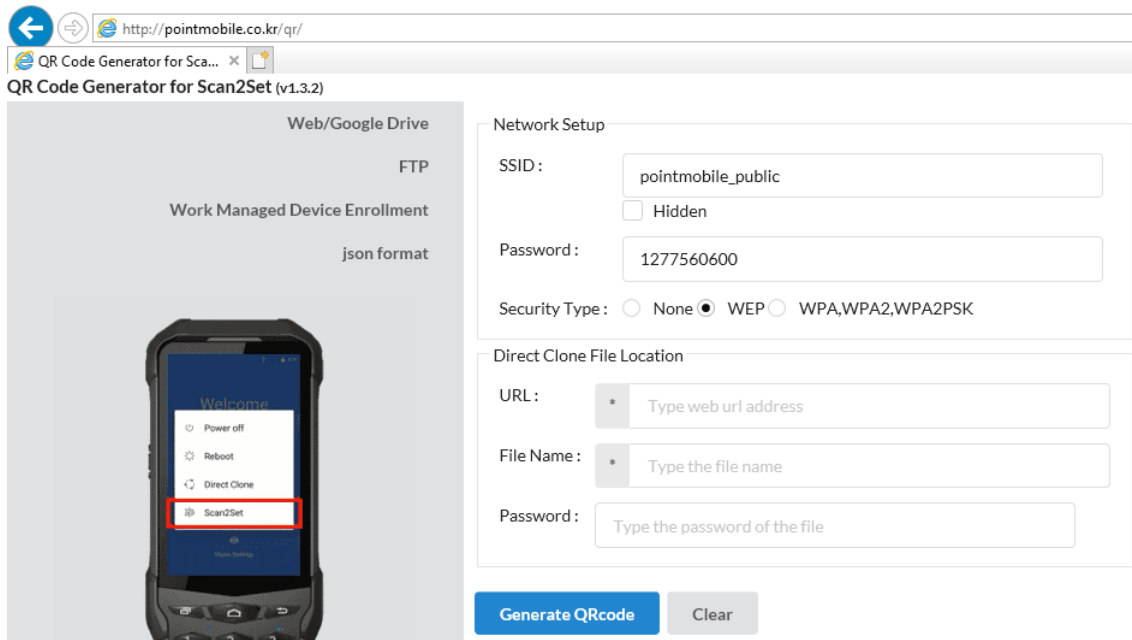
## EmKit

### Step 3. Generate QRcode

- Access to Web QRcode generating site [www.pointmobile.co.kr/qr](http://www.pointmobile.co.kr/qr)

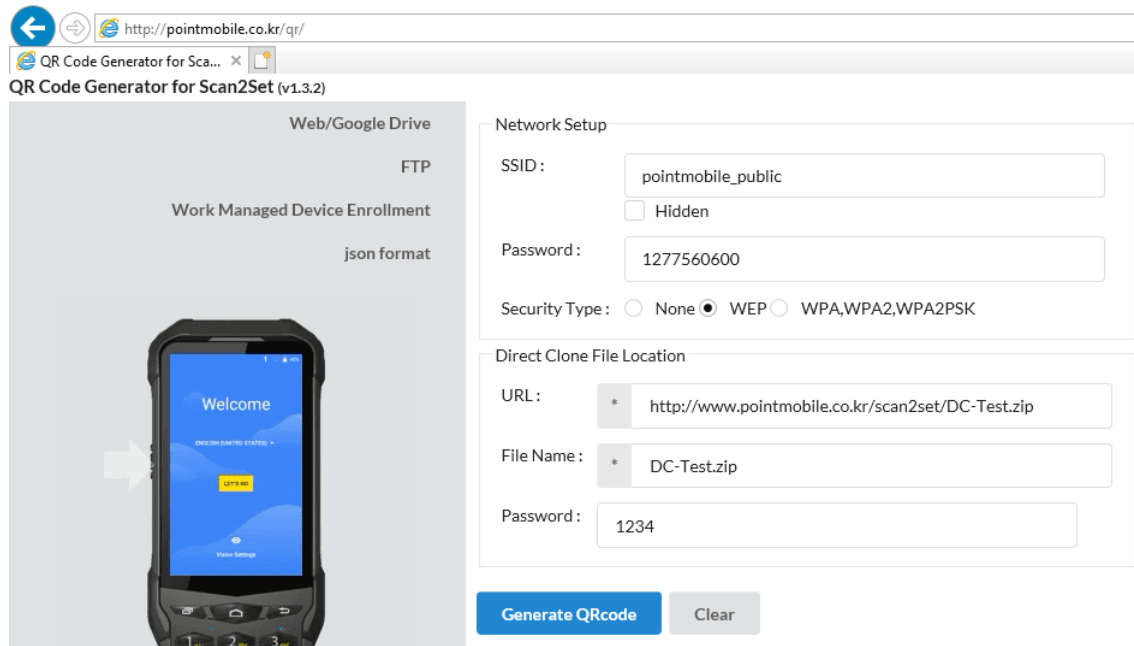


- Click **Web/Google Drive** menu
- Input Network information, Direct Clone file name and password



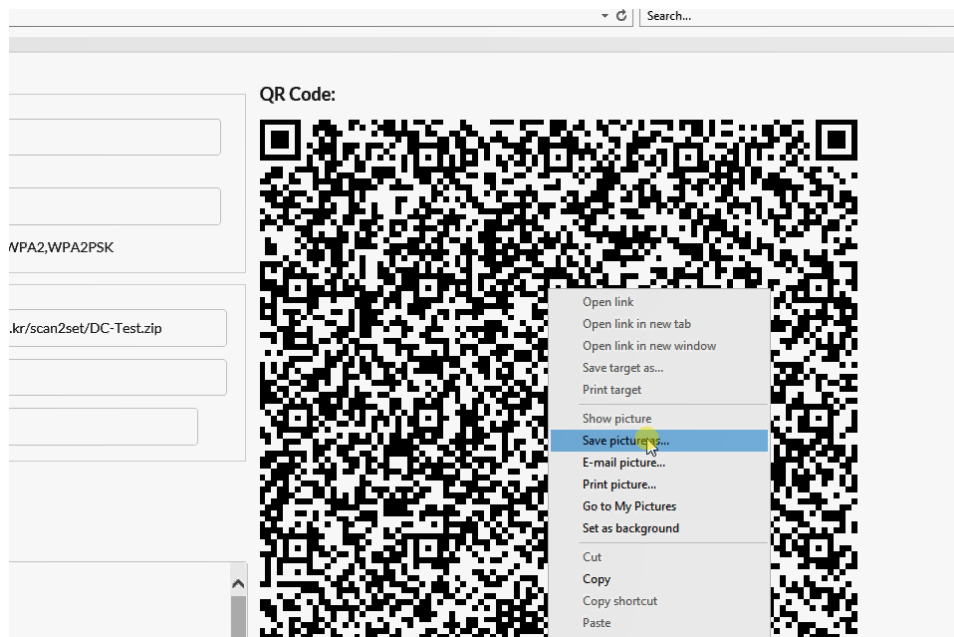
# EmKit Tools

## EmKit



**Note:** Make sure put http:// or https:// in front of url address

- Click **Generate QRcode** button and save or print generated QRcode

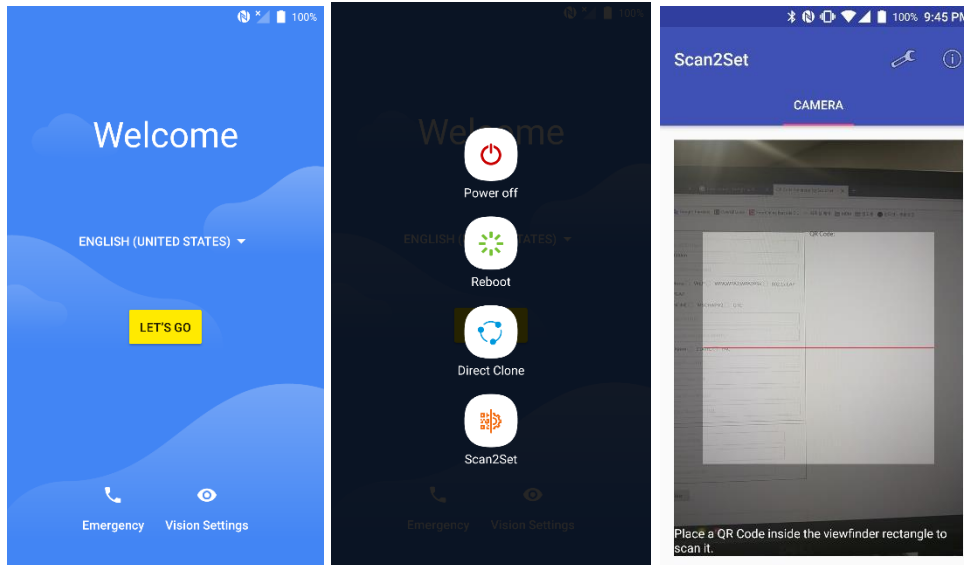


# EmKit Tools

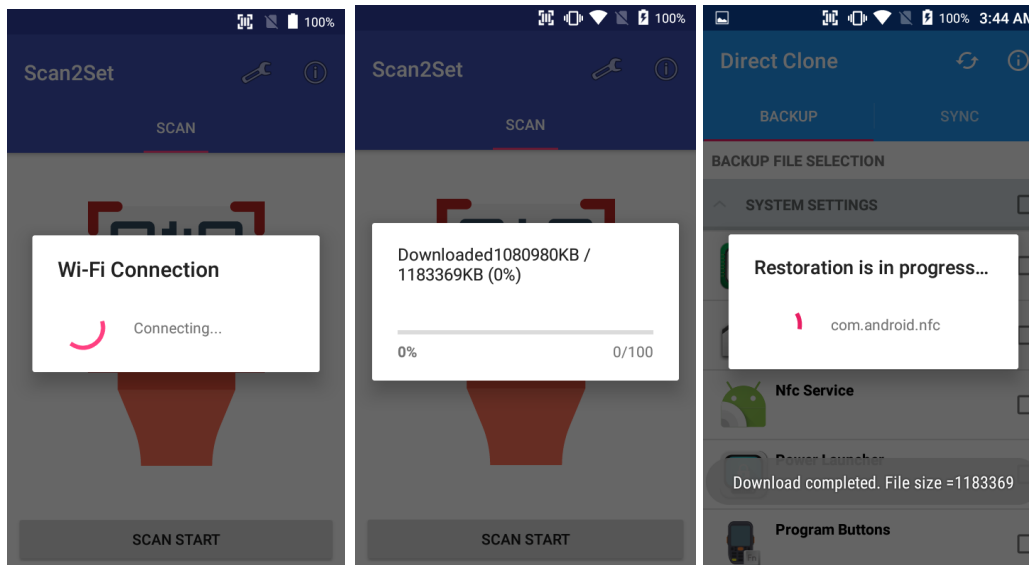
## EmKit

### Step 4. Read QRcode in other PDAs

- Turn on your Point Mobile Android device.
- Press the Power Button, then you will see the Scan2Set in the menu



- Read the generated QRcode. Point Mobile Android device will download the file from the FTP site or Web server and restore Direct Clone file



# EmKit Tools

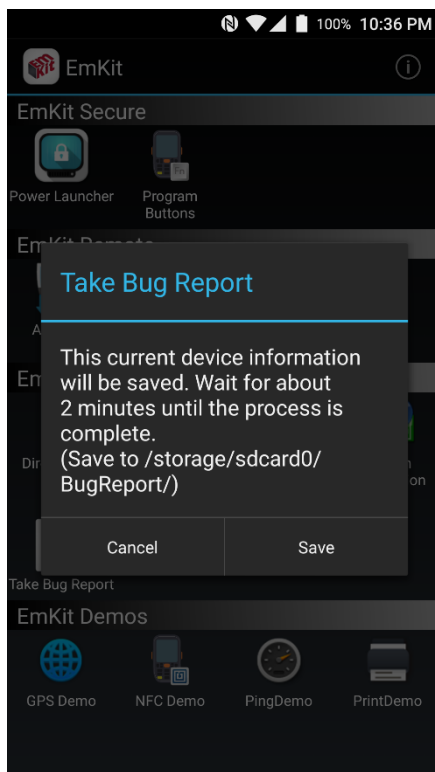
## EmKit



### System information

All of SW and HW information available here and can save it to the file.

- Touch **Save to file**.
- **devinfo.html** file saved to root folder of the internal storage.



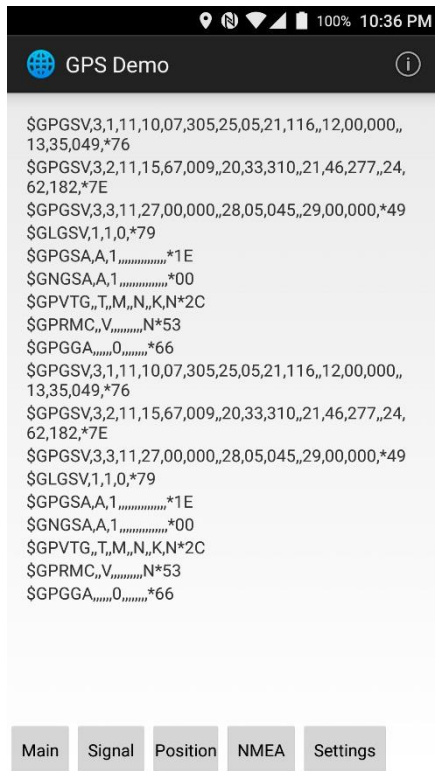
### Take Bug Report

This function save logs and event to the internal storage. When you have a field issue, and need to contact service center, please find the reproduce step first.

- Reproduce the issue.
- After issue, reproduce, please run **Take bug report**.
- File will be saved to **BugReport** folder.
- Copy the file to the PC and then zip it to reduce the file size.
- Share bug report file to the service center or Point Mobile Support team with reproduce steps.

# EmKit Demos

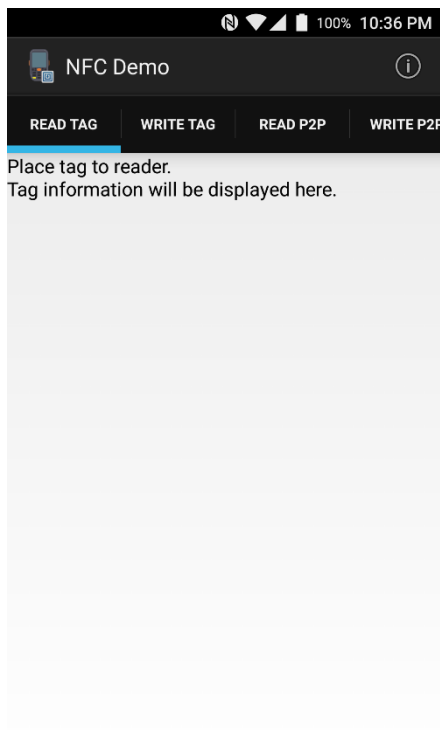
## EmKit



### GPS Demo

Developer can demonstrate or check Point Mobile Android model's GPS signal strength, Satellite info, NMEA info.

*Some of demo app only available for specific Hardware feature integrated SKU (Stock Keeping Unit)*



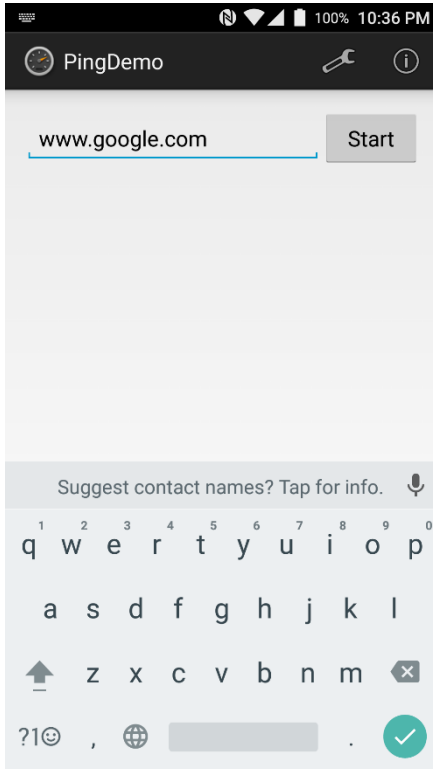
### NFC Demo

Developer can demonstrate or check Point Mobile Android model's NFC Read/Write solution.

*Some of demo app only available for specific Hardware feature integrated SKU (Stock Keeping Unit)*

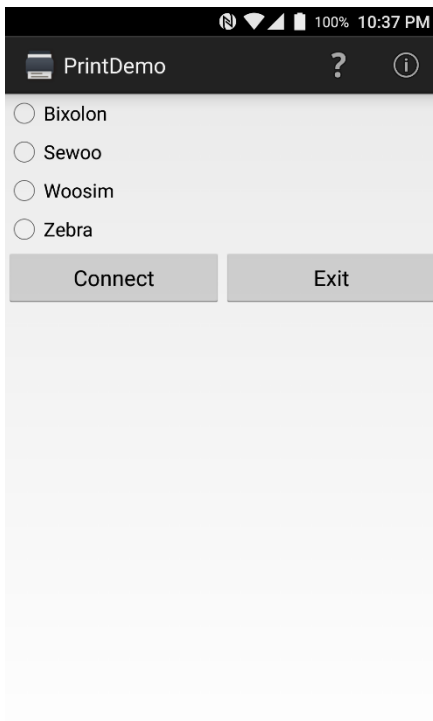
# EmKit Demos

## EmKit



### Ping Demo

Developer can demonstrate or check Point Mobile Android model's ping test.



### Print Demo

Developer can demonstrate or check Point Mobile Android model's Bluetooth mobile printing solution.



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