



For Android™ 10

Enterprise Mobility

PM30

User Manual

Instruction

This manual provides information about basic features and using the PM30. Please read carefully before using your handy enterprise device and peripherals to ensure safe and proper use.



Note: Screenshots in this manual may differ from actual screens.

Revision History

| Revision | Date | Description |
|----------|-------------|---|
| V01 | 04 Mar 2021 | Initial release. |
| V02 | 22 Mar 2021 | Removed slot number of 2SC in Charging image |
| V03 | 20 May 2021 | Modified Wireless charging chapter Added Smart charging, Check device Health chapter |
| V04 | 15 Jul 2021 | Updated Battery safety information chapter |
| V05 | 19 Nov 2021 | Added new charging Acc., SEC (Single Slot Ethernet Cradle) info Added charging animation info when charging via cradle Updated SKU list |
| | | |

Instruction

PM30 SKUs

The contents of this manual can cover the following SKUs.

| SKU | Part Number | Common | Network | Fingerprint | Cover color |
|------|-----------------------------------|--|--------------------------|-------------|-------------|
| SKU1 | PM30G3K03DHE0F /PM30G3K03DHK0F | Android GMS 10 4G/64G 3,250mAh, 4.4V battery | Wi-Fi/BT | O | Black |
| SKU2 | PM30G6K03DHE0F /PM30G6K03DHK0F | | LTE, GPS, Wi-Fi/BT | O | |
| SKU3 | PM30G3K03DHE0G /PM30G3K03DHK0G | Wireless charging N2601 Scanner Front/Rear Camera NFC | Wi-Fi/BT | O | White |
| SKU4 | PM30G6K03DHE0G /PM30G6K03DHK0G | | LTE, GPS, Wi-Fi/BT | O | |
| SKU5 | PM30G3K03DHK0X | | Wi-Fi/BT | X | |

Table of Contents

| | |
|-----------------------------------|-----------|
| INSTRUCTION | 1 |
| Revision History | 1 |
| PM30 SKUs | 2 |
| TABLE OF CONTENTS..... | 3 |
| GETTING STARTED | 7 |
| Device Parts | 7 |
| Product Standard Accessories..... | 9 |
| Install SIM & SD card..... | 10 |
| Charge the device..... | 12 |
| Battery specification | 12 |
| Smart Charging | 12 |
| Charge with power adapter..... | 14 |
| Charging accessories | 15 |
| LED indicator | 21 |
| Turn on & off PM30..... | 22 |
| Use a touch screen | 23 |
| LEARNING THE BASICS | 25 |
| Setup Wizard | 25 |
| Home Screen | 26 |
| Status bar | 27 |
| Notification panel | 28 |
| Quick setting panel | 29 |
| Apps & Widget..... | 30 |
| Recently Used Apps | 34 |
| Call..... | 35 |
| Making a call..... | 35 |

| | |
|---------------------------------|-----------|
| Answering a call | 37 |
| Contacts..... | 38 |
| Add a contact..... | 38 |
| Contact detail..... | 39 |
| Message | 40 |
| MTP Connection with PC..... | 41 |
| Manage the Files | 42 |
| Lock the Screen..... | 44 |
| Fingerprint lock..... | 45 |
| Use the Buttons | 47 |
| Screen capture | 47 |
| Program buttons | 47 |
| Settings..... | 49 |
| Adjust display brightness | 49 |
| Adjust sound..... | 49 |
| Adjust font size | 50 |
| CAMERA | 51 |
| SCANNER | 52 |
| Turn on / off the Scanner | 52 |
| ScanSettings..... | 53 |
| Basic..... | 53 |
| Options | 54 |
| Notification..... | 55 |
| Wedge | 56 |
| Extended wedge..... | 57 |
| Symbologies | 61 |
| About | 61 |
| Scan a Barcode | 62 |
| ScanDemo | 63 |

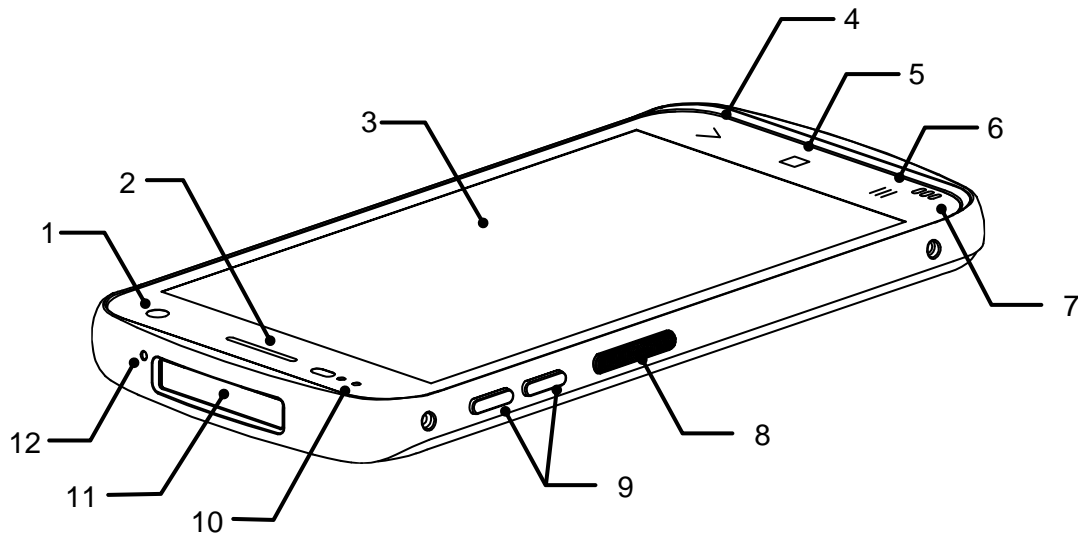
| | |
|--|-----------|
| WIRELESS | 64 |
| Mobile Network (LTE SKU Only)..... | 64 |
| Wi-Fi | 65 |
| Bluetooth..... | 66 |
| Turn on / off | 66 |
| Pair and Connect..... | 66 |
| Unpair and Disconnect | 67 |
| Change the Bluetooth device details | 68 |
| NFC (Near Field Communication)..... | 69 |
| RFID | 70 |
| SYSTEM MAINTENANCE | 71 |
| System Information | 71 |
| On Settings..... | 71 |
| On EmKit | 71 |
| Check Device Health | 72 |
| OS Update | 73 |
| OS update via storage | 73 |
| OS update via OTG port..... | 74 |
| OS update via FOTA | 74 |
| Factory Data Reset..... | 76 |
| Factory data reset via Settings app | 76 |
| Factory data reset via recovery mode | 77 |
| ACCESSORIES | 78 |
| Gun Handle..... | 78 |
| RF300 (UHF RFID Reader) | 79 |
| Single Slot Cradle (SSC) | 79 |
| Single Slot Ethernet Cradle (SEC)..... | 79 |
| 2 Slot Cradle (2SC)..... | 79 |
| Wireless Charging Pad | 80 |
| PMBooster | 80 |

| | |
|----------------------------------|-----------|
| SAFETY INFORMATION..... | 81 |
| Battery Safety Information | 81 |

Getting Started

Device Parts

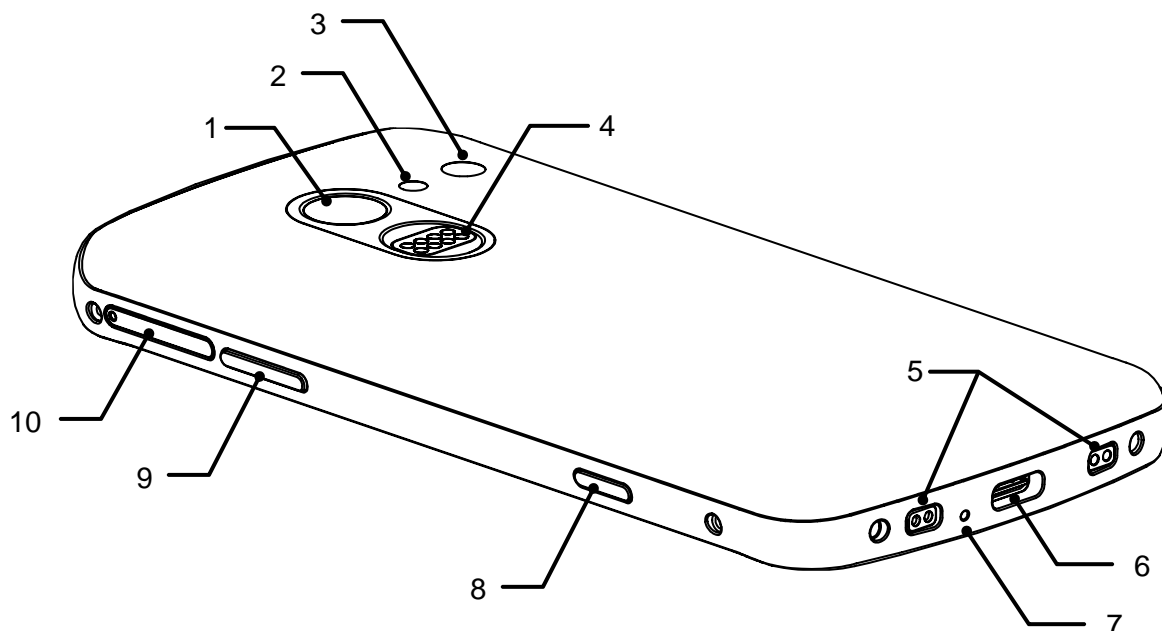
Figure 1 PM30 Front view



| No | Name | Description |
|----|----------------------------|--|
| 1 | Front camera | Take a picture |
| 2 | Receiver | Use with making a phone call |
| 3 | Screen | Display all operating screen |
| 4 | Back button | Go back to previous screen |
| 5 | Home button | Go to home screen |
| 6 | Recent app button | List up the recently used apps |
| 7 | Speaker | Ring system sound |
| 8 | Push-To-Talk / Scan button | Use PTT function or scan a barcode by pressing (Programmable button) |
| 9 | Volume up & down button | Control the volume (Programmable button) |
| 10 | LED Indicator & Sensor | Indicate the power status and notification (Find more details in LED Indicator) |
| 11 | Scanner | Scan a barcode |
| 12 | Microphone (Second) | Use as Microphone with main microphone |

Getting Started

Figure 2 PM30 Rear view






| No | Name | Description |
|----|---------------------------------------|--|
| 1 | Fingerprint sensor | Use fingerprint for authentication |
| 2 | Flashlight | Use flashlight in camera or torch mode |
| 3 | Rear camera | Take a picture |
| 4 | I/O connector for sled type accessory | Connector for communication with a sled type accessory (RF300 or gun handle) |
| 5 | I/O connector for charging | Connector for cradle charging |
| 6 | USB Connector | USB Type C connector for charging and data communication |
| 7 | Microphone (Main) | Use as Microphone with second microphone |
| 8 | Power button | Turn on / off the device |
| 9 | Scan button | Scan a barcode by pressing (Programmable button) |
| 10 | Card tray | Insert a microSD card, and nano SIM card (LTE SKU only) |

Getting Started

Product Standard Accessories

The following items are in the product box.

| Accessory | Name |
|---|---------------------|
|  | AC/DC power supply |
|  | Country plug |
|  | USB type C cable |
|  | Card tray eject pin |
|  | LCD protection film |



Note: The images may differ from the actual accessory.

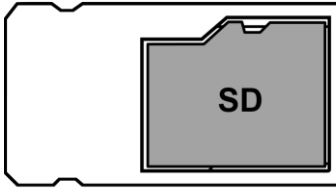
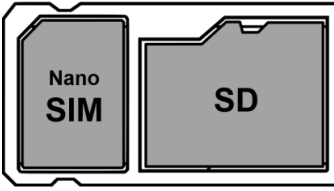
Getting Started

Install SIM & SD card

PM30 supports

- microSD card
- Nano SIM card - LTE SKU (PM30G6K03DHE0F) only

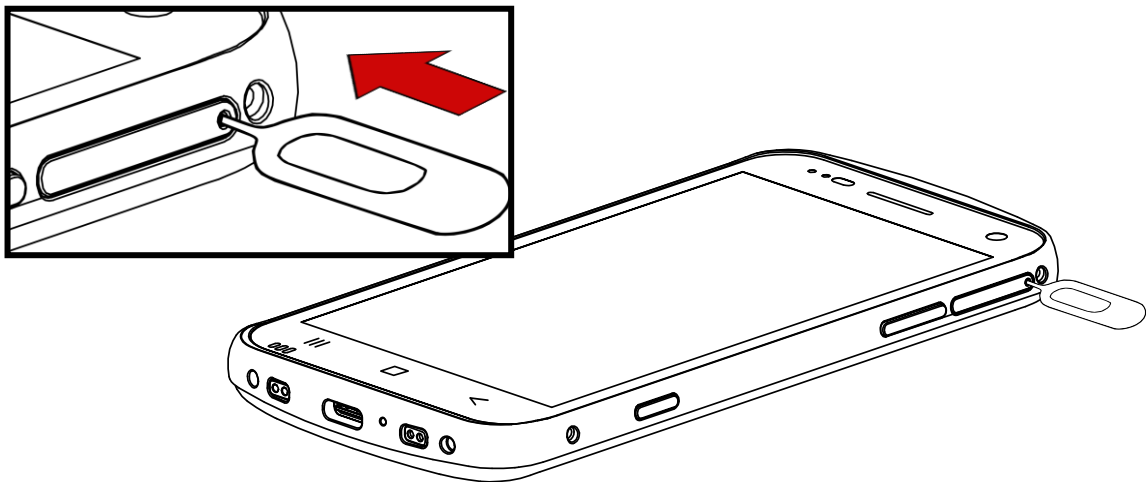
Refer to the table to find out the difference.

| Wi-Fi SKU (PM30G3K03DHE0F) | LTE SKU (PM30G6K03DHE0F) |
|---|--|
|  |  |

To install the cards,

1. Insert the sharp side of the card tray eject pin to the card tray hole of PM30, and then push until the card tray is slide out. Pull the card tray out.

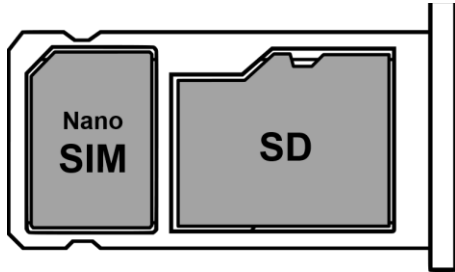
Figure 3 Detach card tray



Getting Started

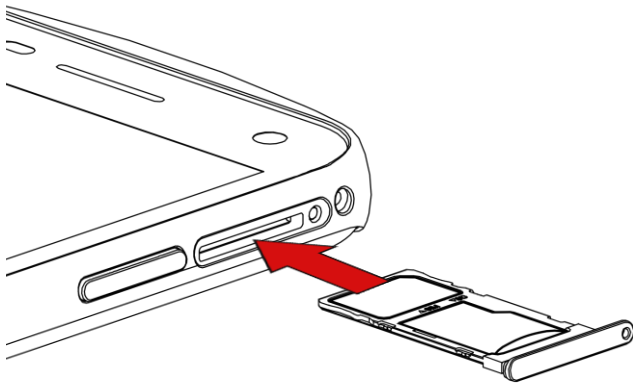
2. Insert the Nano SIM card and microSD card into the proper slot.
(Gold contact must be facing down.)

Figure 4 Card orientation



3. Put the card tray back into PM30.

Figure 5 Insert SIM card and SD card



Getting Started

Charge the device

Before using PM30, charge the device enough to use. PM30 can be charged with power adapter or charging accessories (cradles, wireless pad, and PMBooster).

Battery specification

- Capacity: 3250mAh / 4.4V
- Rechargeable battery (Non-removable)

Smart Charging

PM30 supports three charging modes to provide optimal battery performance for your work. Each mode controls the charging current or the maximum charging level to meet the needs.

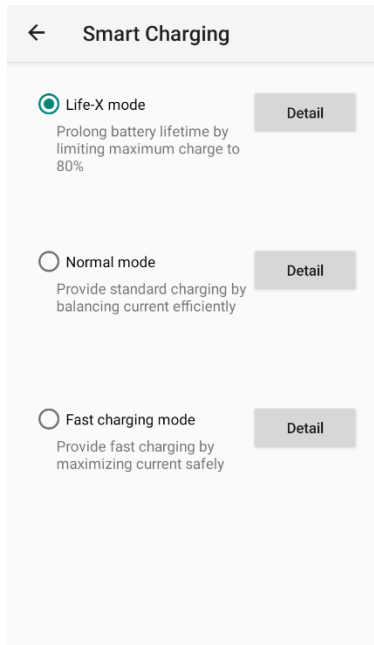
When the device is charged to the maximum charging level, the device turns to a fully charged state (Power LED lights green. Refer to [LED indicator](#)).

- **Normal mode (Default)**
 - Standard charging mode
 - Maximum charging level: 100%
- **Life-X mode**
 - limits the maximum charging level to extend the battery lifetime.
 - Maximum charging level: around 80%
- **Fast charging mode**
 - Charges PM30 faster than the other modes.
 - Maximum charging level: 100%

Getting Started

To set smart charging mode, go to **Settings**  > **Battery**  > **Smart Charging** or **EmKit**  > **EmSettings**  > **Smart Charging**.

Figure 6 Smart charging



Find detail information of each mode in **Detail** and select the desired mode.



Note: You should charge PM30 through power adapter or cradles to use the most of the smart charging feature.

Getting Started

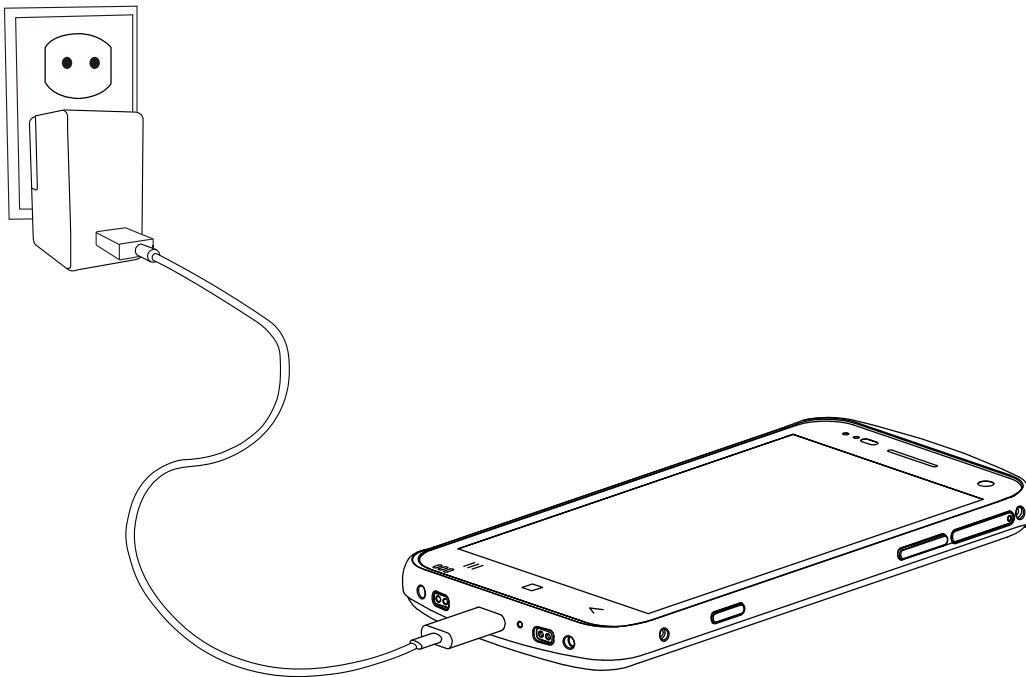
Charge with power adapter



Caution: Always use an original charger and cable from Point Mobile. Other chargers and cables may damage PM30. Also, make sure the charger and cables are not wet. Follow the [battery safety Information](#) for safety of using the battery.

1. Assemble the country plug, AC/DC power supply and USB type C cable.
2. Connect the cable to the USB connector of PM30.
3. Provide power by plugging the power supply to the wall socket.

Figure 7 Charging PM30



Getting Started

Charging accessories

There are five PM30 optional accessories for charging. SSC (Single Slot Cradle), SEC (Single Slot Ethernet Cradle), and 2SC (2 Slot Cradle) are charging cradle, and wireless charger, and PMBooster. The charging accessories can charge the PM30 and its accessory as below table.

| | SSC | SEC | 2SC | Wireless charging pad | PMBooster |
|------------------------|-----|-----|-----|-----------------------|-----------|
| PM30 | X | O | O | O | O |
| PM30 + Protective case | X | O | O | O | X |
| PM30 + PMBooster | X | X | O | X | X |
| PM30 + RF300 | O | X | X | X | X |
| PM30 + Gun handle | O | X | X | X | X |



Note: When using a charging cradle (SSC, SEC, 2SC), the charging animation will be displayed to confirm the connection. Charging animation shows the battery level intuitively.

Figure 8 Charging animation example



Tap the icon on the bottom to exit the charging animation screen.

Getting Started

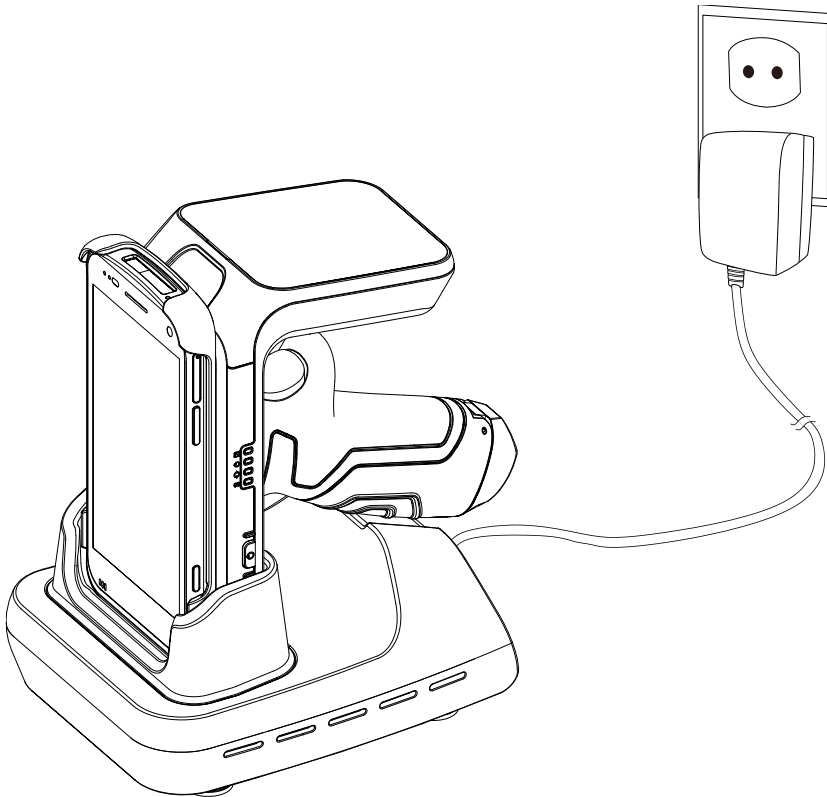
SSC

SSC can charge a PM30 with a sled type accessory (Gun handle or RF300) mounted. To charge PM30 using SSC,

1. Assemble the power adapter and AC plug, and connect it to the cradle to provide power.
2. Install PM30 with sled type accessory mounted.

PM30 and RF300 will be charged simultaneously. So, make sure the charging animation is displayed on the PM30 screen and charging LEDs of the PM30 and RF300 light on. (Refer to [LED indicator](#) and RF300 User manual)

Figure 9 Charging PM30 + RF300 via SSC



Getting Started

SEC

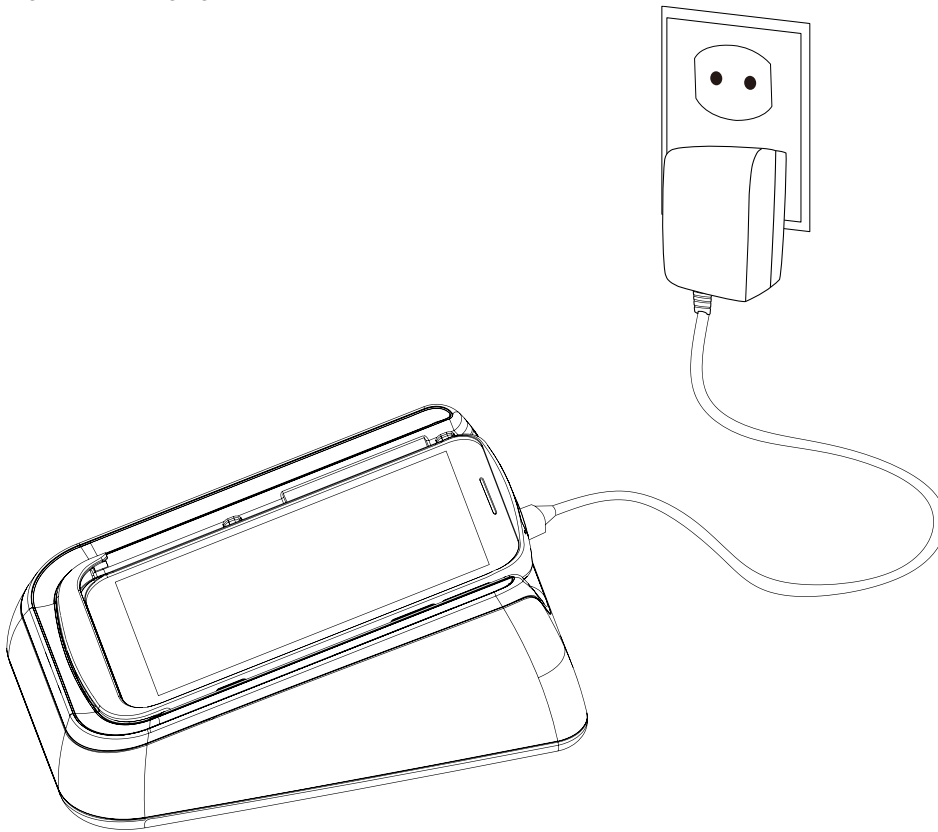
SEC is a charging cradle capable of Ethernet communication. SEC can charge PM30 only or PM30 with protective case attached.

To charge PM30 using SEC,

1. Assemble the power adapter and AC plug, and connect it to the cradle to provide power.
2. Slide the device all the way into the cradle and push the top of the device down to install firmly.

Make sure the device emits the charging LED and displays the charging animation on the screen.

Figure 10 Charging PM30 via SEC



Getting Started

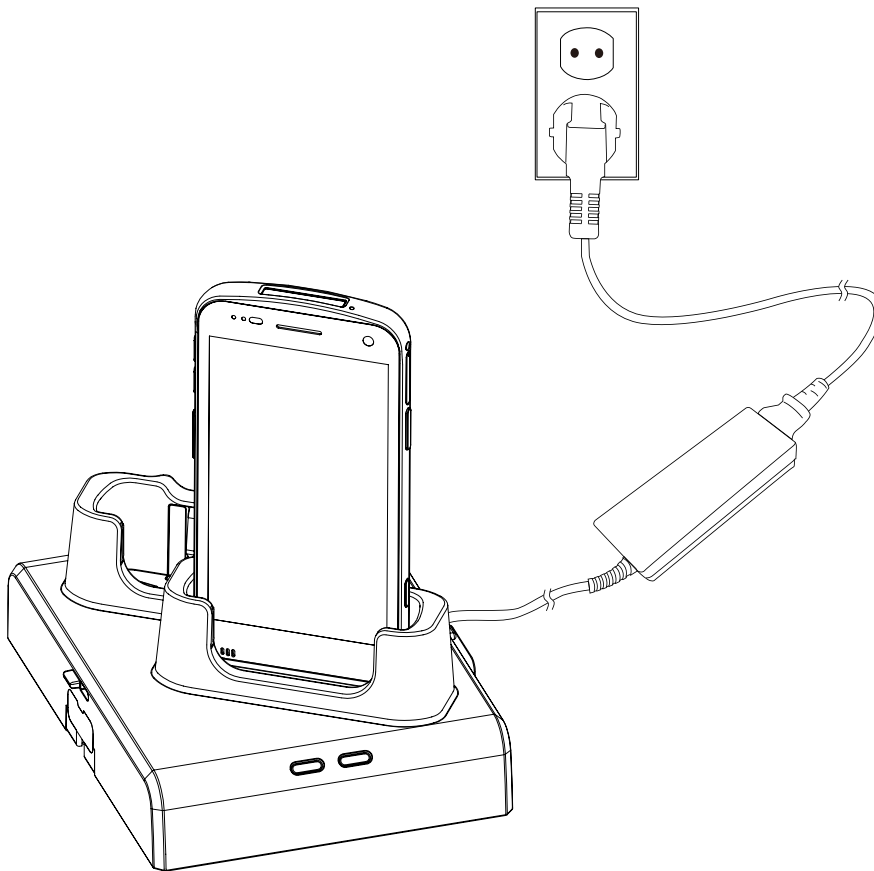
2SC

2SC can charge up to 2 units of PM30 simultaneously. PM30 with PMBooster or protection case mounted can be charged.

1. Assemble the power adapter and power cable.
2. Connect it to the cradle to provide power.
3. Install PM30 from top to bottom.

Make sure the charging LED of the PM30 lights on (Refer to [LED Indicator](#)) and the charging animation is displayed on the screen.

Figure 11 Charging PM30 via 2SC



Note: If PM30 with PMBooster mounted is installed into 2SC, PM30 is charged first and PMBooster will be charged after PM30 is fully charged.

Getting Started

Wireless charging pad

PM30 supports wireless charging. Wireless charging pad is sold separately. Before charging, remove all accessories except protective case.



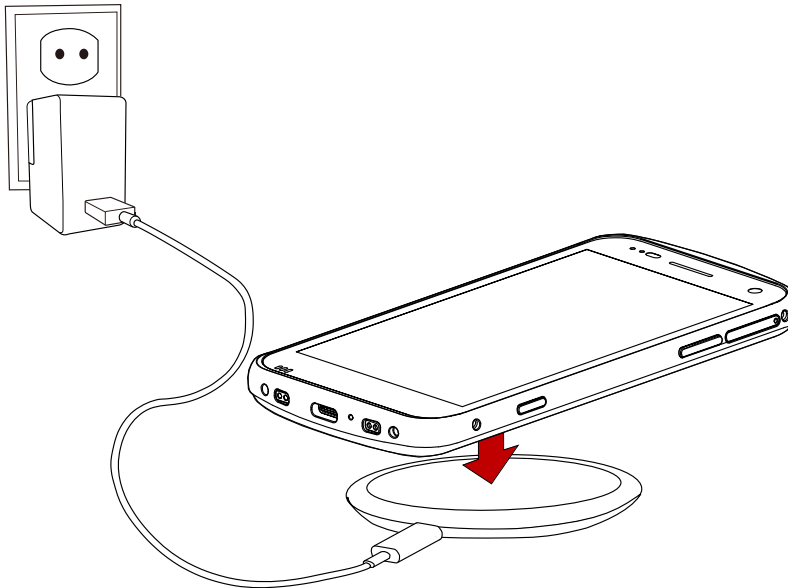
Caution: Always use a Point Mobile-approved charging pad. Other chargers may damage PM30. The device warranty does not cover any damage caused by the usage of non-Point Mobile charger.

1. Provide power to wireless charging pad.
2. Place the center of PM30 wireless charging area in the center of the pad.

Figure 12 PM30 wireless charging area



Figure 13 PM30 Wireless charging



Getting Started

3. Make sure the PM30 is properly aligned with following items.

- Charging LED of the PM30 is on
- Charging screen is displayed at a moment
- Battery icon changes to charging status
- The edge of pad lights green

Figure 14 Wireless charging confirmation



PMBooster (Extended battery case)

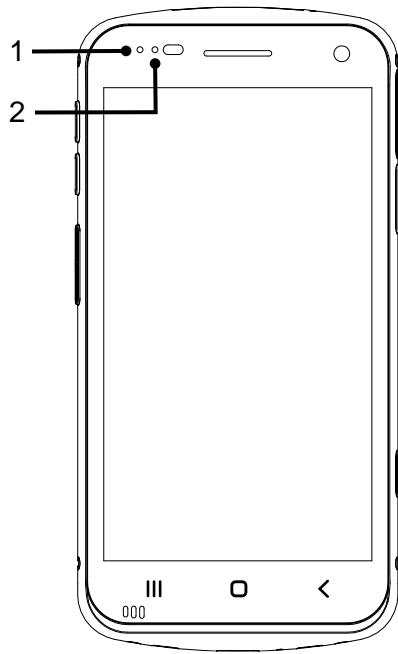
PMBooster is a case type accessory which provides extended battery capacity as 3250mAh. Connect PMBooster with PM30 and charge PM30.







PM30 with PMBooster mounted can be charged using USB Type C cable or 2SC.

Getting Started

LED indicator

Figure 15 LED Indicator



| No | Indicator | Status | Indication |
|----|------------------|---|--|
| 1 | Power LED |  Solid red | Charging the device (With charger) / Battery is low (Without charger) |
| | |  Blinking red | Battery is critical low |
| | |  Solid green | Device is fully charged |
| 2 | Notification LED |  Blinking blue | Notification existing |
| | |  Red flash | Barcode reading failed |
| | |  Blue flash | Barcode reading success |

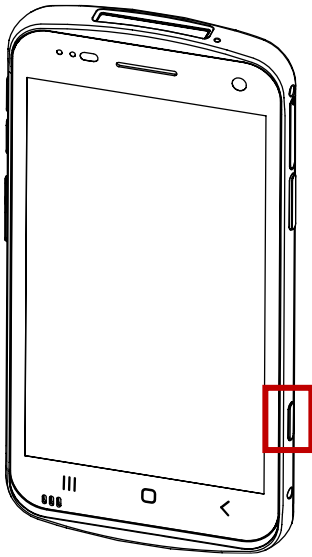
Getting Started

Turn on & off PM30

To turn on the device,

- Press and hold the Power button on the right side of the PM30 until **SMART BEYOND RUGGED** logo displays on the screen.

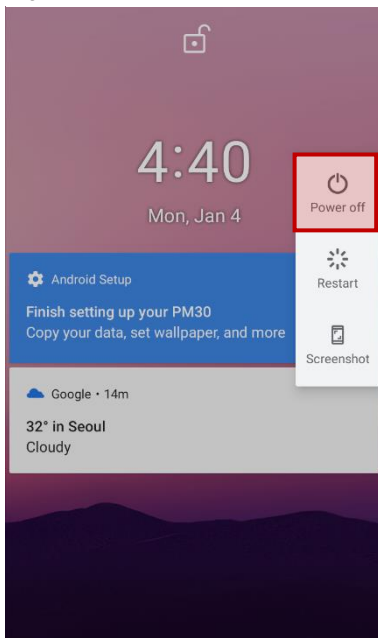
Figure 16 Power button



To turn off the device,

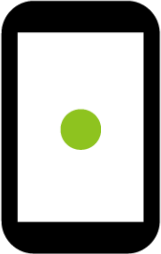
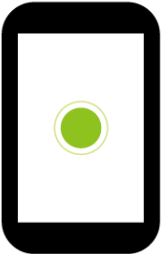
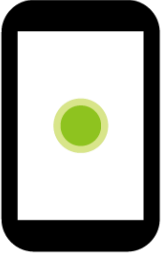
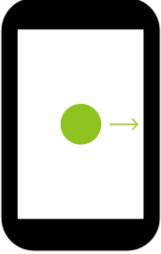
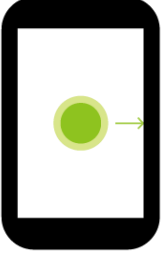
- Press and hold the **Power** button until the power menu is shown when the screen is on. Then, tap **Power off** among the menu.

Figure 17 Power menu

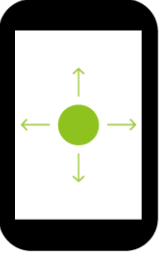
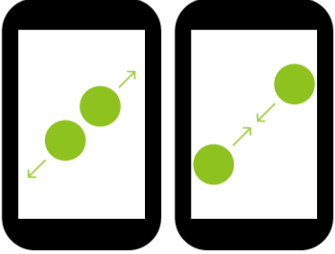
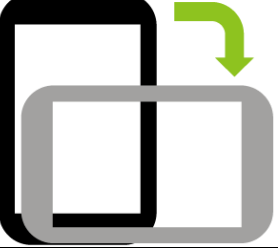


Getting Started

Use a touch screen

| Gesture | Description |
|---|---|
|  | Tap One-finger press |
|  | Double tap One-finger press, lift, one-finger press, lift for zoom in action |
|  | Long-press One-finger press, wait, lift for select action |
|  | Drag, Swipe, or Fling One-finger press, move, lift for scroll or tilt action |
|  | Long-press drag One-finger press, wait, move, lift for pick up and move , or select multiple items action |

Getting Started

| Action | Description |
|--|--|
|  | Scroll Vertical or horizontal swipe in a single direction |
|  | Pinch Open & Close Two-finger press, move outwards and inwards, lift for zoom in / out action |
|  | Rotate When PM30 is turning sideways, screen orientation is changing |

Learning the basics

Setup Wizard

When PM30 starts very first time or boot after factory reset, Setup wizard is launched. Following the steps on the screen, set system language, Google account, Wi-Fi connection and copy the data, etc. Some settings can be skipped, but there may be restrictions on the use of system.

Figure 18 Setup wizard - main

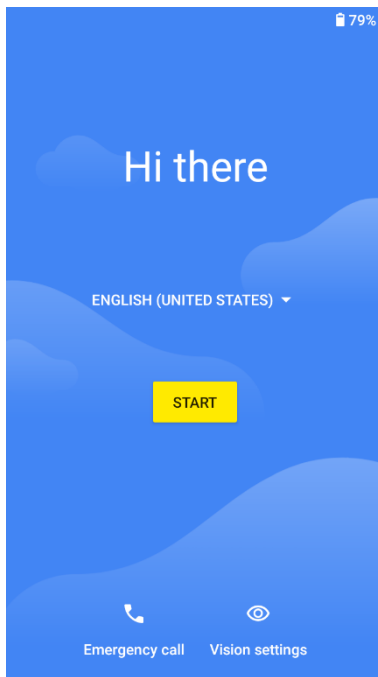
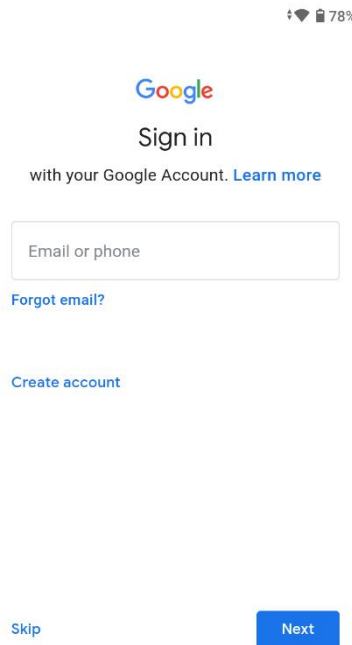


Figure 19 Setup wizard - Google account



Learning the basics

Home Screen

Home screen is a screen displayed after Setup wizard or pressing the Home button.

Figure 20 Home screen









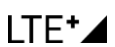





















| No | Item | Description |
|----|----------------|---|
| 1 | Status bar | Indicates device status and notification. |
| 2 | App | Tap to run the application Long-press to see the application's options |
| 3 | Google search | Search an item with Google |
| 4 | Favorites tray | Place the frequently used apps |
| 5 | App folder | Apps are organized in the folder. Tap to open the App folder |

Learning the basics

Status bar














Time, status icons, and notification icons are on the Status bar.

Status icons

| Icon | Description | Icon | Description |
|---|---------------------------------|---|------------------------------|
|  | LTE connected |  | Strong signal |
|  | 3G connected |  | Good signal |
|  | EDGE connected |  | Weak signal |
|  | LTE+ (LTE CA) connected |  | Connection issue |
|  | VoLTE enabled |  | Data disabled |
|  | Airplane mode |  | No data connection |
|  | Data communication |  | Hotspot enabled |
|  | Connected to a Wi-Fi network |  | Wi-Fi data communication |
|  | Connected to a Bluetooth device | | |
|  | Battery is full |  | Battery is partially drained |
|  | Battery is low |  | Battery is very low |
|  | Battery is charging | | |
|  | Location service turned on |  | Vibrate mode |
|  | Speakerphone turned on |  | Phone mic is mute |
|  | Scanner turned on |  | Alarm is set |

Learning the basics

Notification icons

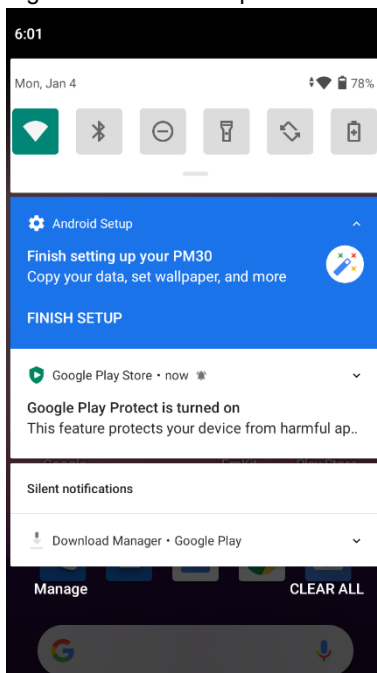
| Icon | Description | Icon | Description |
|---|------------------------------|---|------------------------------|
|  | Missed call |  | New SMS or MMS message |
|  | New Email |  | Connected to VPN network |
|  | Upcoming event |  | Screenshot captured |
|  | SD card removed unexpectedly |  | Other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

Notification panel

Notification panel displays a list of all notifications. Tap a notification to respond.

To open the Notification panel, drag the Status bar down. To close the panel, swipe it up.

Figure 21 Notification panel



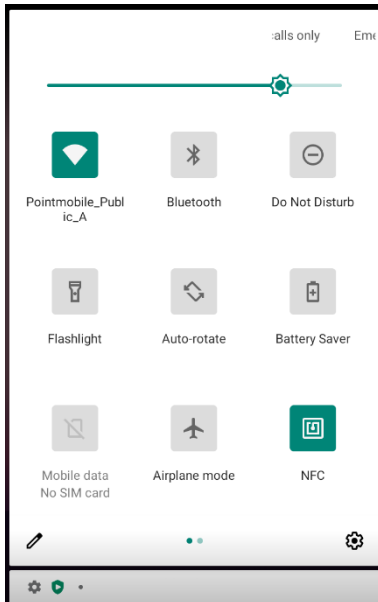
Learning the basics

Quick setting panel

Quick setting panel contains some frequently used settings such as Wi-Fi, Bluetooth, etc. To use the Quick setting panel,


1. Open the Notification panel.
2. Drag down the Notification panel.

Figure 22 Quick setting panel



3. Tap a setting icon to enable / disable the setting or long-press an icon to see more detail.

To edit the configuration of Quick settings panel,

1. Tap  on the bottom of the panel.
2. By long-press and dragging the icon, customize the configuration of the panel.

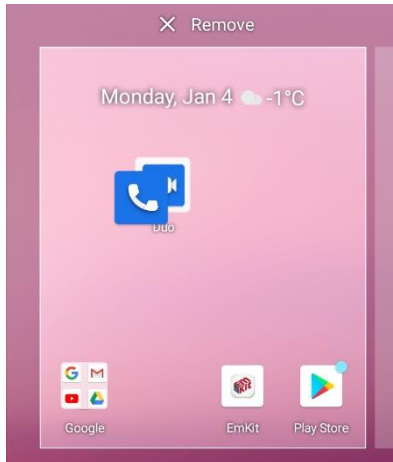
Learning the basics

Apps & Widget

App folder

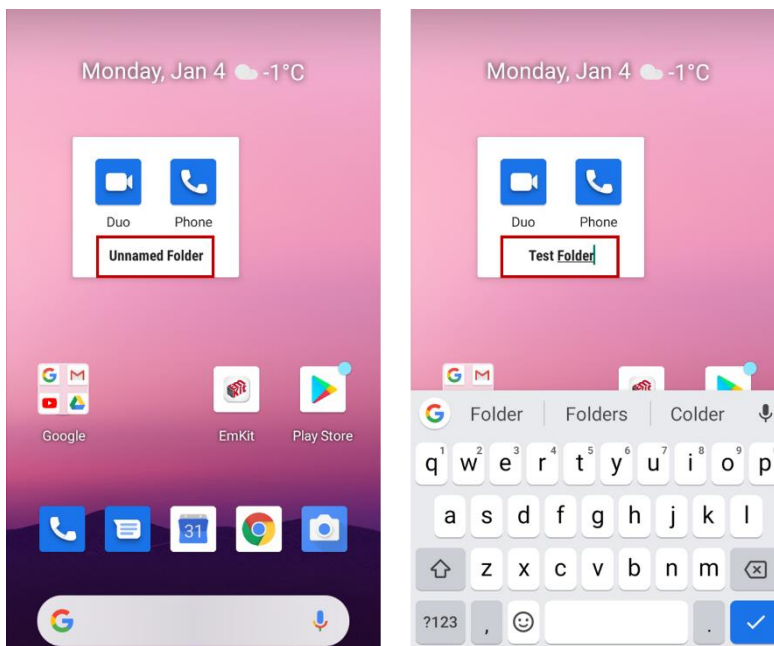
To create the app folder, long-press an app icon and drag it to another app icon.

Figure 23 Create app folder



To change the folder name, tap the **Unnamed Folder** and input a new name.

Figure 24 Change app folder name



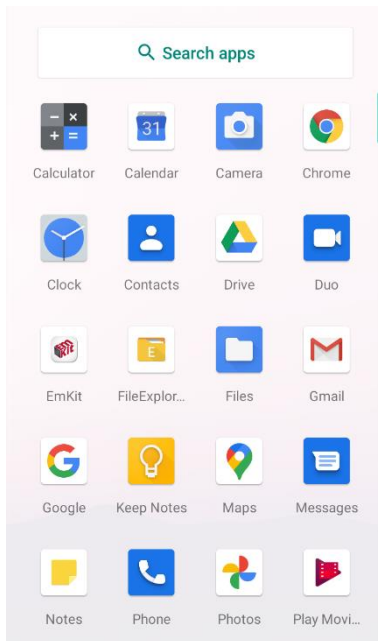
Learning the basics

App drawer

All installed apps are listed alphabetically in App drawer.

- To open the App drawer, swipe up the Home screen.
- To close the App drawer, swipe down the Home screen.

Figure 25 App drawer



Favorites tray

To organize an app in the Favorites tray,

1. Long-press an app icon from the App drawer. Then, drag it slightly until the Home screen is shown.
2. Place the app icon in the Favorites tray.

Figure 26 Add an app to Favorites tray



Learning the basics

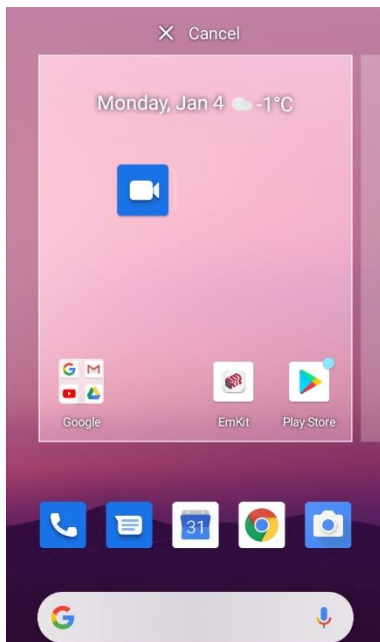
Organize app in Home screen

To organize an app in the Home screen,

1. Long-press an app icon from the App drawer. Then, drag it slightly until the Home screen is shown.
2. Place the app icon where you want.

(To cancel to place the app, drag it to **Cancel** area and release.)

Figure 27 Place app in Home screen

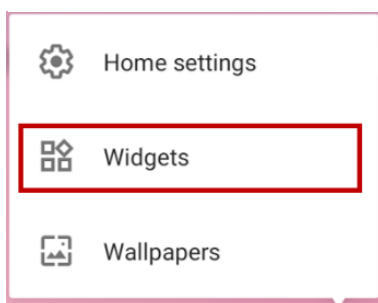


Widget

To add a widget in the Home screen,

1. Long-press the empty space of the Home screen.
2. In three menus, select **Widgets**.

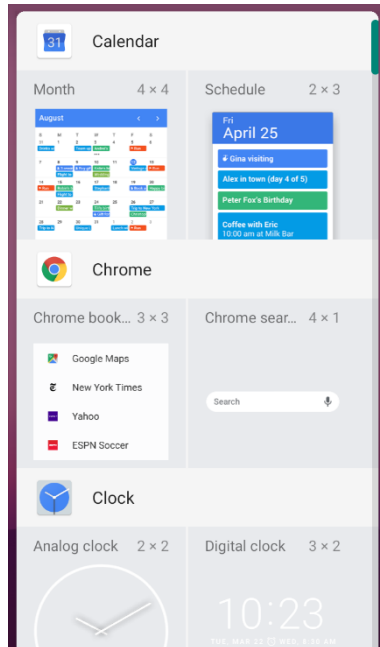
Figure 28 Widget menus



Learning the basics

3. Among the list, tap and hold a widget you want to add.

Figure 29 Widget list

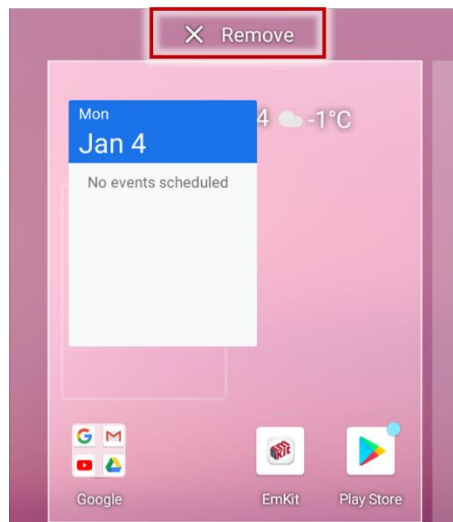


4. Place the widget to the Home screen by dragging.



Note: To remove an app or a widget from the Home screen, long-press and drag it to **Remove** area.

Figure 30 Remove from Home screen

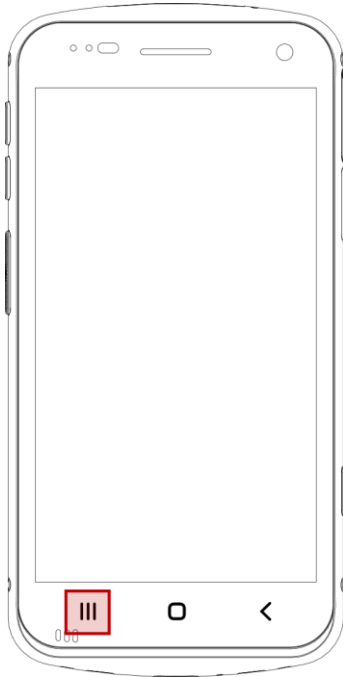


Learning the basics

Recently Used Apps

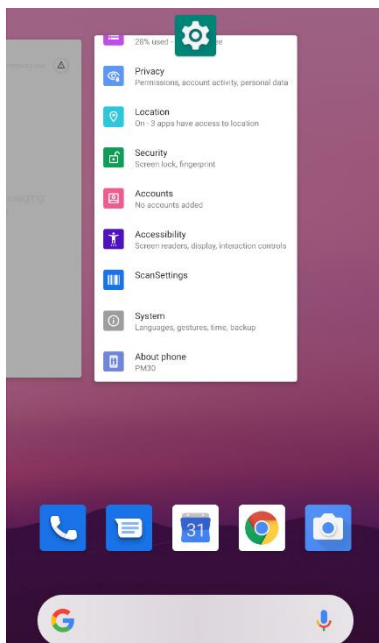
Touch Recent apps button to see recently used apps list.

Figure 31 Recent app button



From the list, tap an app to open or completely close the app by swiping it up.

Figure 32 Recently used apps



Learning the basics

Call

To make or receive a phone call, SIM card is required. Insert SIM card to PM30 first regarding [Install SIM & SD card](#).

Making a call



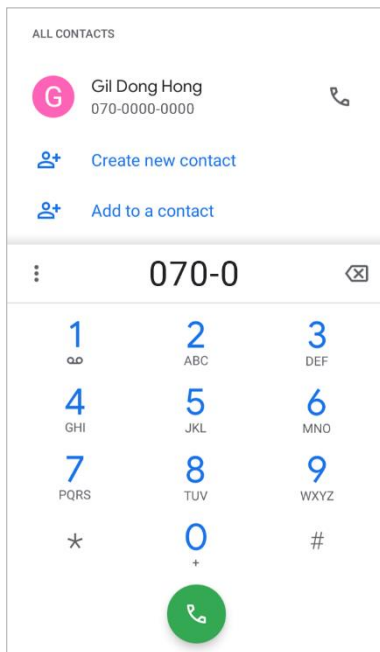


1. Tap **Phone**  from Home screen or App drawer.
2. Tap  to open a dialer.
3. Input a phone number.

Figure 33 Dialer







4. Tap  or  next to a searched number to make a call.

Learning the basics

5. Control the Tap  to hang up the phone.

Figure 34 Calling screen



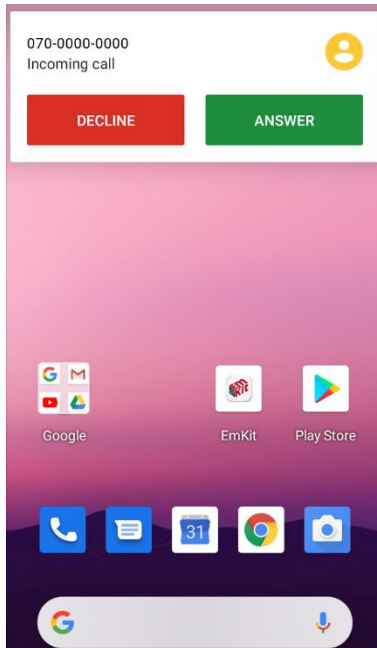
| Icon | Function Name | Description |
|---|---------------|--|
|  | Mute | Mute microphone |
|  | Keypad | Open the keypad |
|  | Speaker | Speakerphone mode |
|  | Add call | Add another call (Enable when receiver answer the phone) |

Learning the basics

Answering a call

Check the caller's name and number and tap **ANSWER** button to answer the phone call. Or tap **DECLINE** button to decline the phone call.

Figure 35 Receiving call



Learning the basics

Contacts

Add a contact

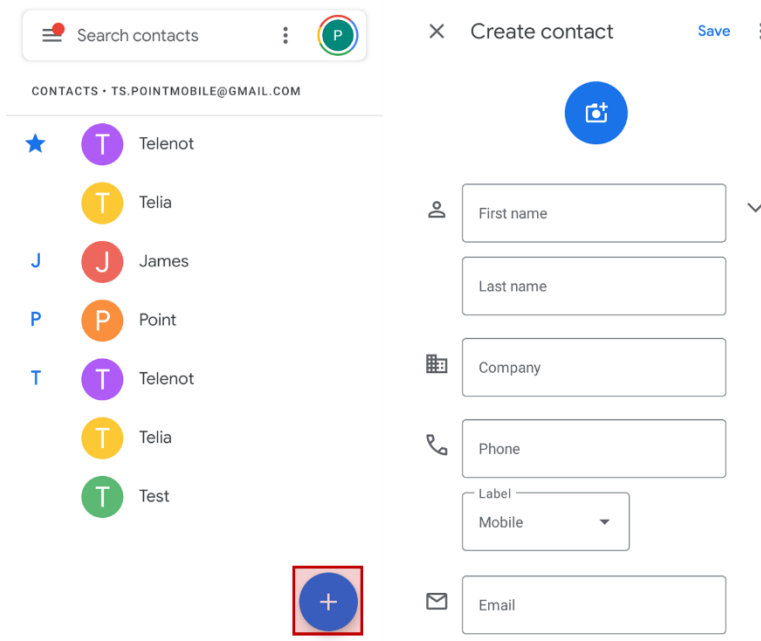
Add a contact via dialer

1. Navigate to dialer through Phone, and enter the number.
2. Tap **Create new contact** or **Add to a contact** to save the number.
3. Input additional information.
4. Tap **Save**.

Add a contact via contacts app

Navigate to **Contacts**  from App drawer and tap  to add a new contact.

Figure 36 Add new contact via Contacts



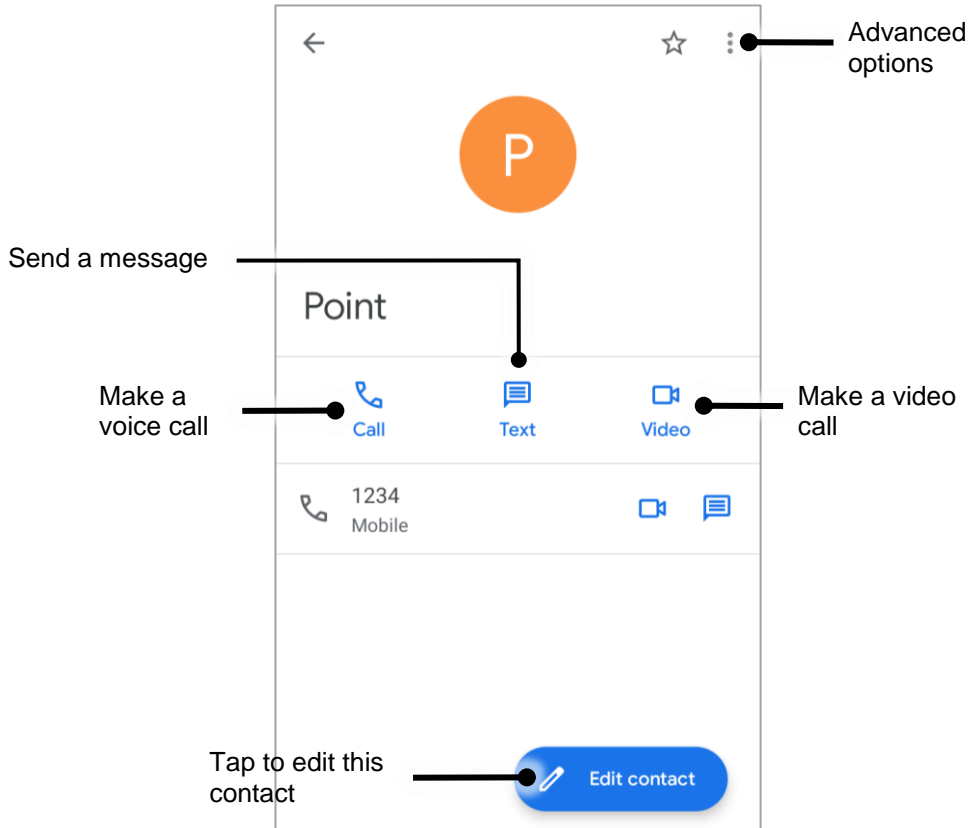
Enter the contact details and tap **Save**.

Learning the basics

Contact detail

Select a contact from the list to find more detail information.

Figure 37 Contact detail




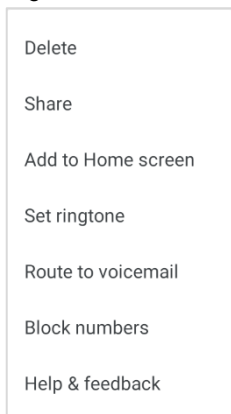

Tap  to open advanced options such as delete, share, block, etc.

Figure 38 Contact advanced options



Learning the basics

Message

Send a message or find the received message through Message application .


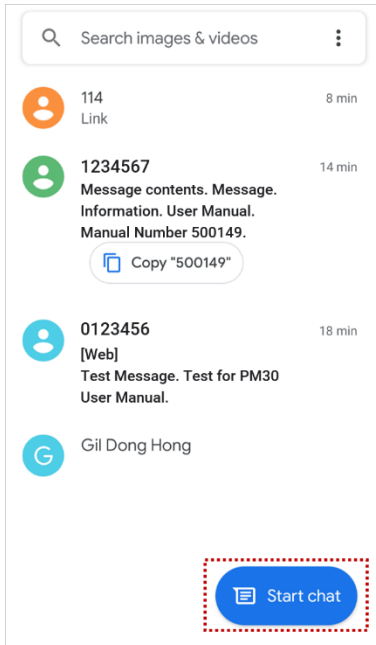

1. Launch **Message**  from App drawer.
2. Tap **Start Chat** and type the receiver's name or phone number.

Figure 39 Message list



3. Input a message.
4. Tap  icon to send.

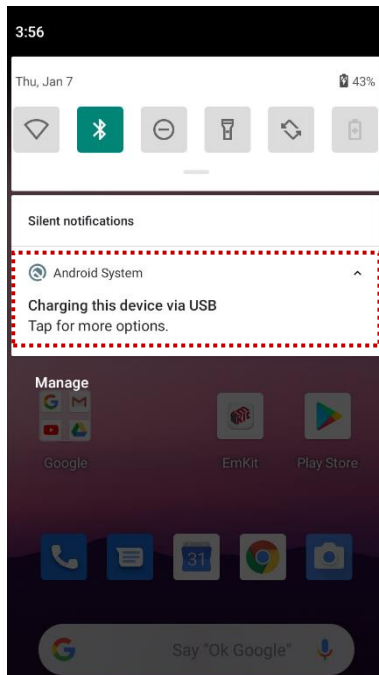
Learning the basics

MTP Connection with PC

To transfer the files with a PC, connect the device to the PC via USB cable first.

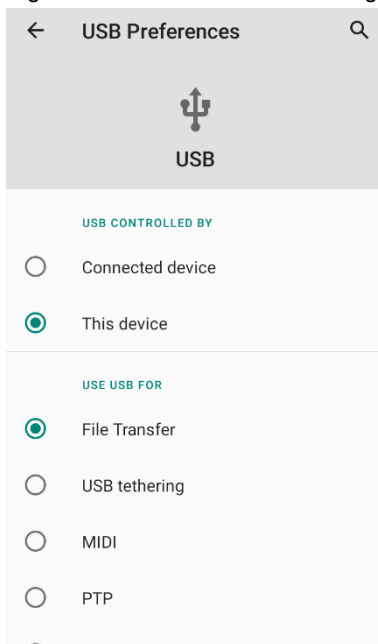
1. Drag down Status bar and tap **Android System** notification to change USB preference option

Figure 40 USB connection notification



2. Change the option to **File Transfer** from **No data transfer**.

Figure 41 USB Preferences setting



Learning the basics

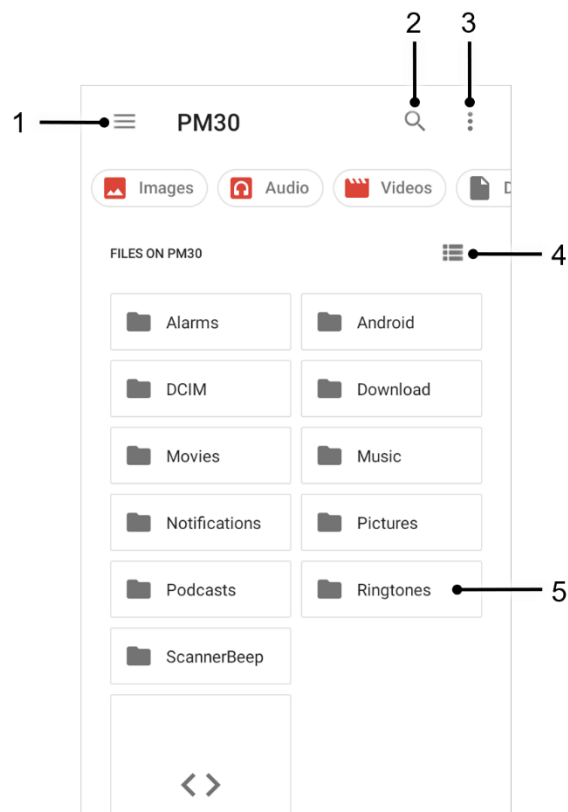
3. Now PC can recognize the connected device. Find PM30 device from file explorer of the PC.

Figure 42 File explorer on PC



Manage the Files

Figure 43 FileExplorer main screen

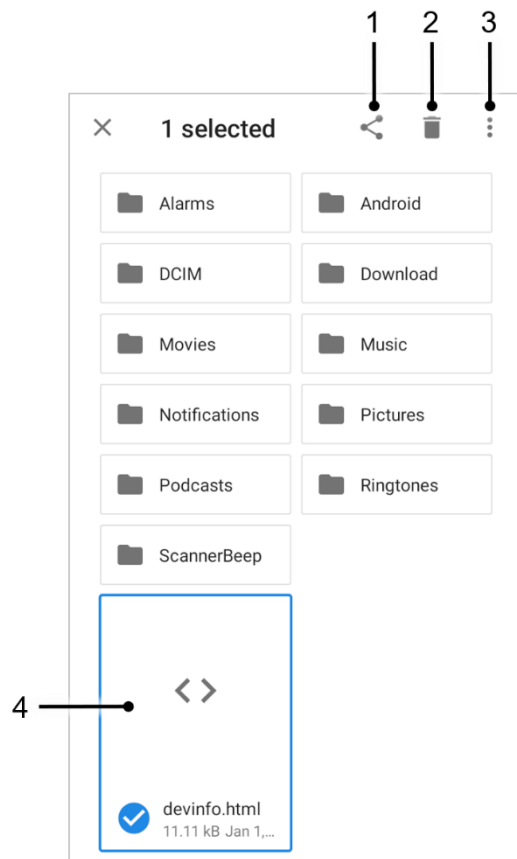


| No | Description |
|----|--|
| 1 | Select media file type or storage |
| 2 | Search a file |
| 3 | Open the advanced option – Create a new window or folder, Select all files and folders, etc. |
| 4 | Change the view of file list |
| 5 | Tap a file or folder to open. Or long-press a file or folder to select |

Learning the basics

Long-press a file (folder) or tap the icon which is located beside of file name to select the file (folder).

Figure 44 FileExplorer screen when file selected



| No | Description |
|----|---|
| 1 | Share the file via Bluetooth / Gmail / Google Drive, etc. Sharing is possible only with files |
| 2 | Delete the files or folders |
| 3 | Open the advanced option <ul style="list-style-type: none"> • Open with: Select which app to open the file • Sort by...: Sort the list by file name, size, type, etc. • Select all: Select all files and folders • Copy / Move to: Copy or move the file to a new location • Compress: Create Zip file with the selected files or folders • Rename: Rename the file or folder • Get info: Display the file information |
| 4 | Selected file or folder is highlighted |

Learning the basics

Lock the Screen

Protect the device from unauthorized personnel by setting up the screen lock.


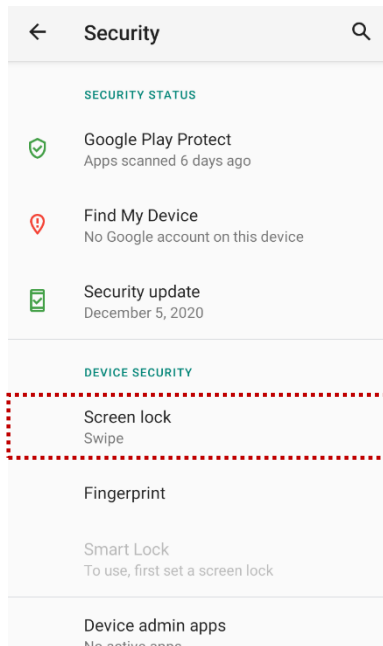
1. Navigate to **Settings**  > **Security** .
2. Tap **Screen lock**.

Figure 45 Screen lock





3. Choose a screen lock method.
 - None: Screen unlocks immediately
 - Swipe: Swipe the lock screen to unlock (Default)
 - Pattern: Draw a pattern to unlock
 - PIN: Input a PIN to unlock (At least 4 digits)
 - Password: Input a password to unlock (At least 4 characters)

Learning the basics

Fingerprint lock

PM30 supports fingerprint lock. Enroll the fingerprint comfortable to use for unlocking the screen.

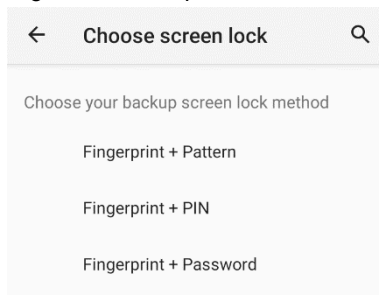
1. Navigate to **Settings**  > **Security** .
2. Tap **Fingerprint**.



Note: Backup Screen Lock Method

Fingerprint lock cannot be used alone. A backup screen lock method is required. Choose a method between pattern, PIN, password. (Swipe method is not allowed.)

Figure 46 Backup screen lock



3. (After setting the backup screen lock method) tap **Next**.
4. To enroll the fingerprint, follow the instructions on the screen; touch and lift the finger on the fingerprint sensor several times.

Figure 47 Fingerprint sensor

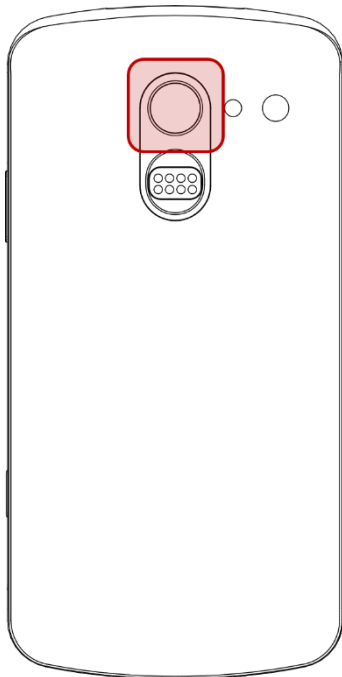
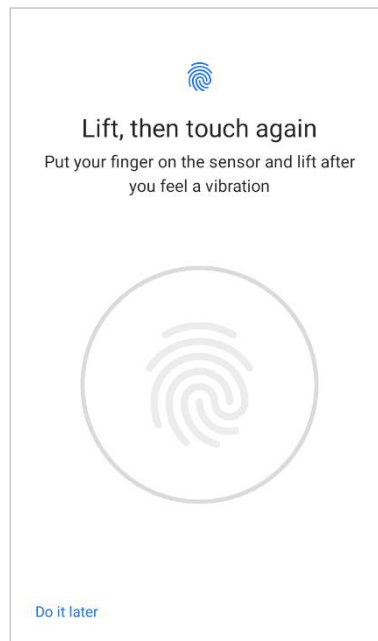


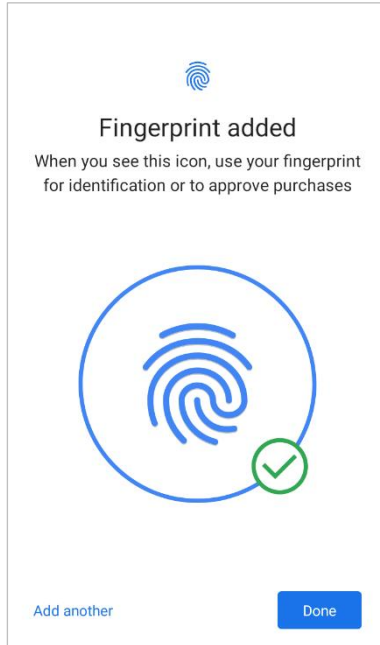
Figure 48 Enroll fingerprint



Learning the basics

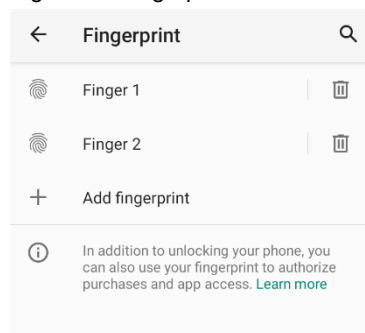
5. When the fingerprint is enrolled properly, **Fingerprint added** screen is displayed.
6. Tap **Done** to finish adding fingerprint
or tap **Add another** to add another fingerprint (Up to 5 fingerprints can be added).

Figure 49 Fingerprint added screen



7. Find the list of added fingerprints.
Delete a fingerprint by tapping trash can icon  or rename by tapping the fingerprint name.

Figure 50 Fingerprint list



8. To unlock the screen, touch the fingerprint sensor with the finger enrolled.
(Fingerprint unlock works when the screen is turned off as well as the lock screen.)

Learning the basics

Use the Buttons

Screen capture

To take a screenshot, press and hold power button and volume down button simultaneously. The screenshot image will be saved to **Pictures > Screenshots** folder in the internal storage.

Program buttons

All buttons on the PM30 except power button can be optimized as you want. To map the button to other functions from default,



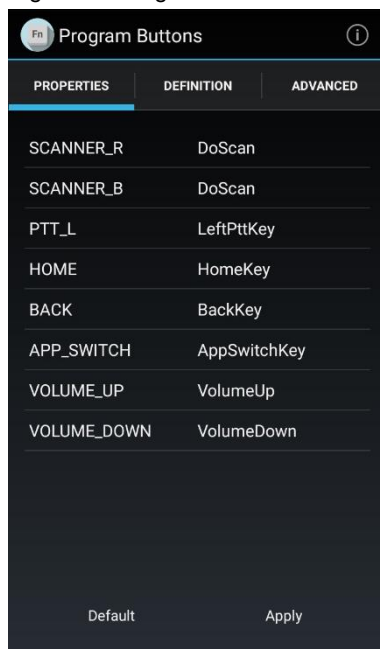
1. Navigate to **EmKit**  > **Program Buttons** 
2. Select a button from the list

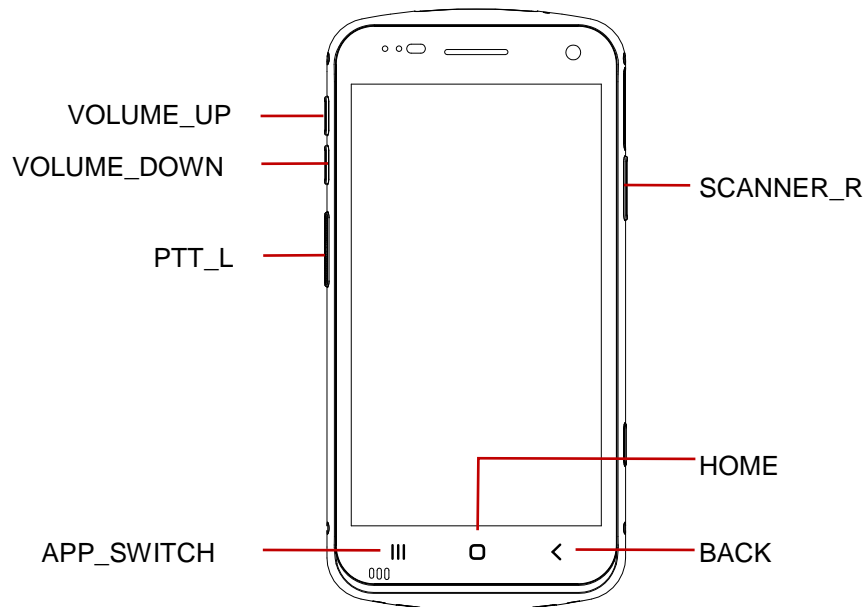
Figure 51 Program buttons - button list



Refer to the figure indicating button code name in the next page.

Learning the basics

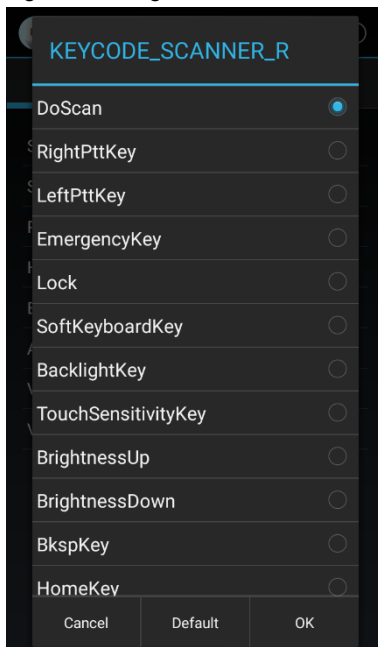
Figure 52 Program buttons - PM30 button code name



Note: *SCANNER_B is the trigger button on the sled accessory (gun handle or RF300).*

3. Choose one function you want to remap

Figure 53 Program buttons - function list





4. Tap **OK**

5. After changing all key mapping, tap **Apply** to save the changes

Learning the basics

Settings

There are two ways to go to **Settings**:

- Open the App drawer and tap **Settings** 
- Open the Quick setting panel and tap gear icon 

Adjust display brightness

To adjust the display brightness level,



- Open Quick setting panel and adjust display brightness bar
- Go to **Settings**  > **Display**  > **Brightness level**

Figure 54 Normal brightness level



Figure 55 High brightness level(higher than 80%)



Caution: Using high brightness levels for long periods may cause eye strain and increase battery consumption.

Adjust sound


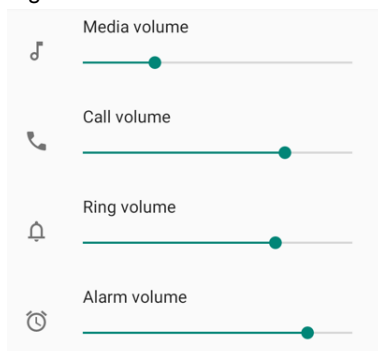
To adjust sound volume, go to **Settings**  > **Sound**  and control the Media, Call, Ring, Alarm volume bars.

Figure 56 Volume bars



Caution: Using high volume levels for long periods may cause ear strain and increase battery consumption.

Learning the basics

Adjust font size

If the font size of the screen is too small or too large, adjust the font size.



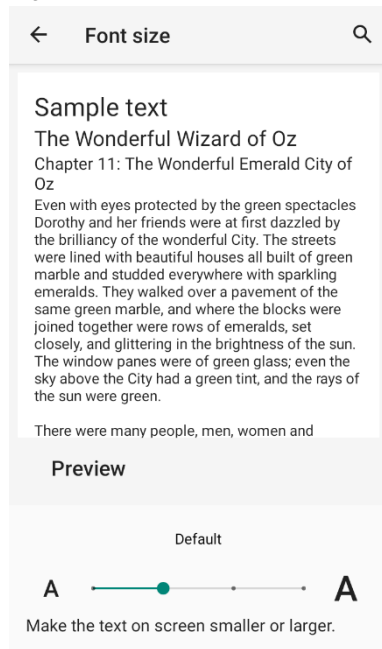
1. Go to **Settings**  > **Display** 
2. Tap **Advanced**
3. Tap **Font size**
4. Referring to the **Preview**, set the font size

Figure 57 Set font size



Camera


PM30 has 2 cameras on the front side and the rear side. To use the camera, open App drawer and tap Camera application .

Figure 58 is a main screen of Camera application, and Figure 59 is a screen that is displayed when you swipe the screen to right.

Figure 58 Camera main screen

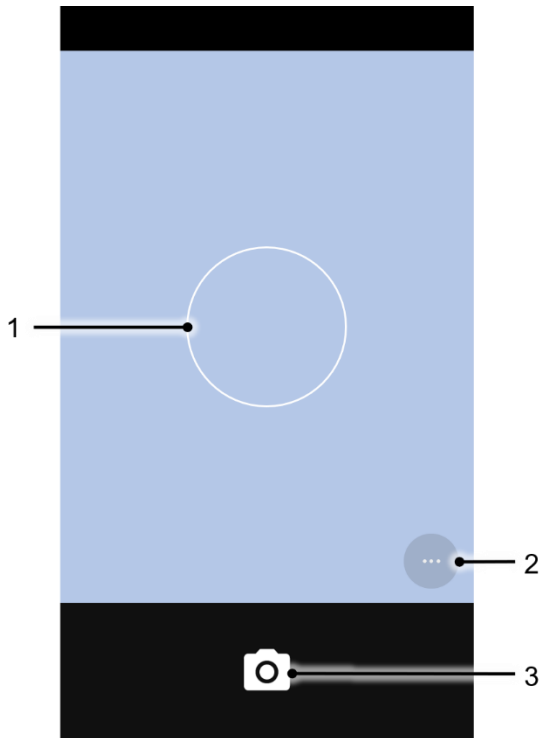
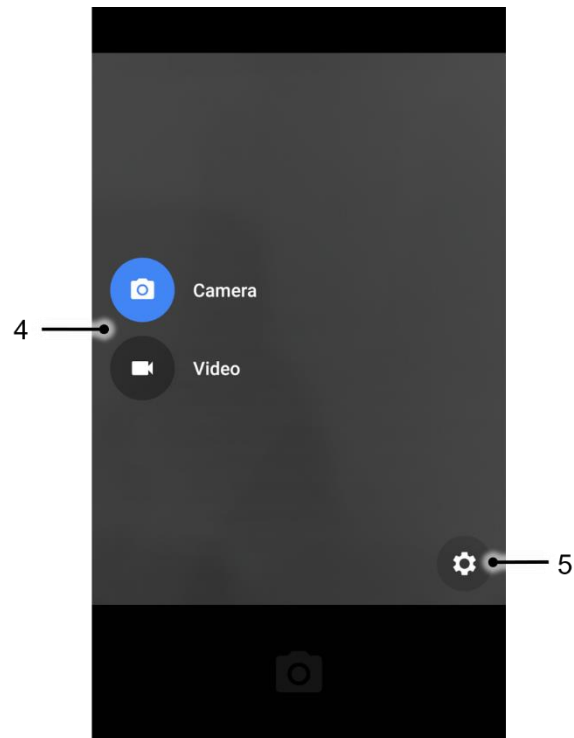






Figure 59 Camera mode change/setting screen

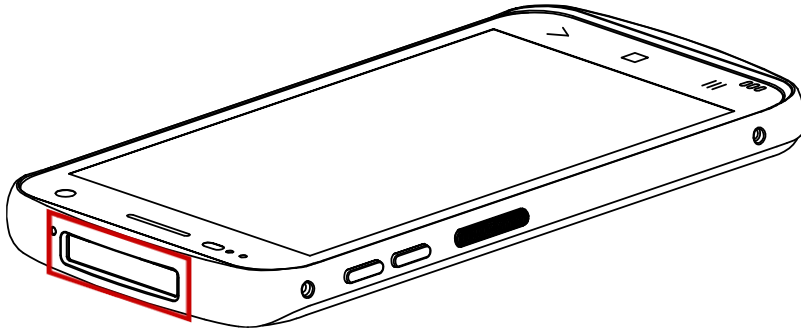


| No | Name | Description |
|----|-------------------------|---|
| 1 | Focus zone | You can change the focusing area by touching the other area |
| 2 | Advanced camera option |  : Set timer  : Display the grid on the screen  : Activate or Deactivate HDR  : Set flash mode (Activate / Deactivate / Auto mode) |
| 3 | Shutter button | Take a picture or recode a video |
| 4 | Mode change button | Change the Camera or Video mode |
| 5 | Advanced camera setting | Set resolution & quality of picture Enable / Disable saving location and manual exposure |

Scanner

Scanner is placed on the top of the PM30. Optimize the scanner settings for working environment and improve the efficiency.

Figure 60 PM30 scanner location



Turn on / off the Scanner

The scanner is turned off by default. To turn on the scanner, follow the steps.



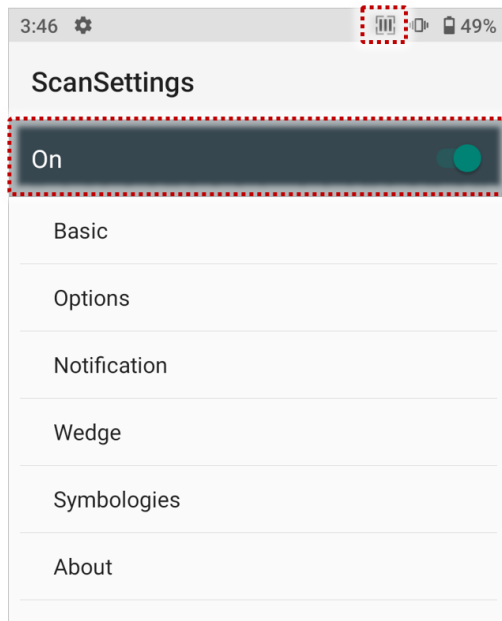
1. Go to **EmKit**  or **Settings**  and tap **ScanSettings**.
2. Tap toggle button to turn on/off the barcode scanner.

Figure 61 Turn on scanner



3. Check if the scanner icon () is placed on Status bar.

Scanner

ScanSettings

When the scanner is turned on, scanner setting menus will be displayed. **ScanSettings** consists of

- Basic
- Options
- Notification
- Wedge
- Symbolologies
- About

Basic

Control the scanning options and wedge mode options.

1. Scanning

- Change the scanner's trigger timeout and set Auto scan & Continuous scan.
- Enable or disable the TouchScan, which is a software scanner button. Place a scan icon in any position and tap the icon to read a barcode.

Figure 62 ScanSettings - Basic

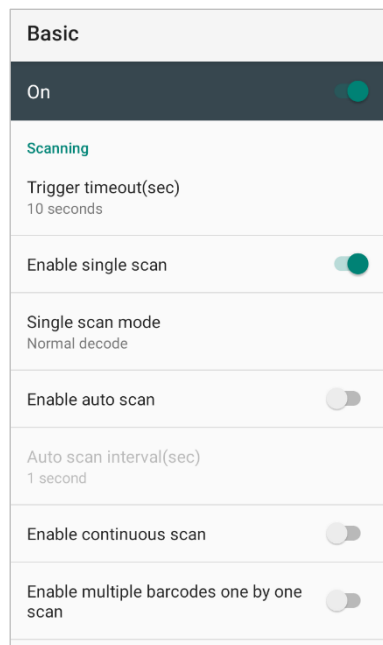
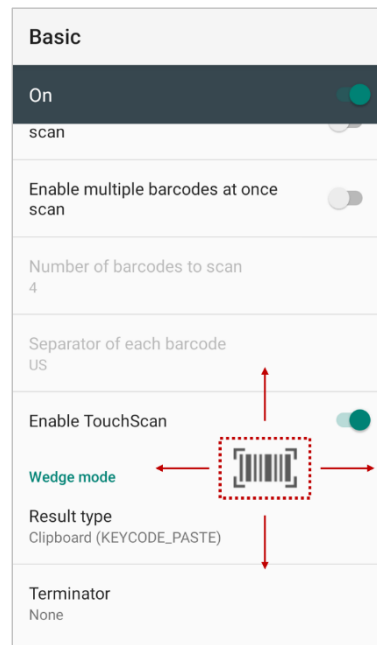


Figure 63 ScanSettings - TouchScan



Scanner

2. Wedge mode

- Change the result type of decoded data among the below list.
- User Message
- Keyboard Event
- Clipboard (KEYCODE_PASTE)
- Clipboard (Ctrl + V)
- Intent Broadcast
- Custom Intent
- Set Terminator as,
- None
- Space
- Tab
- LF
- Tap & LF

Options

- Enable / Disable the center window, Aimer, Illumination.
- Set Decode mode & Power save mode.

Figure 64 ScanSettings - Options

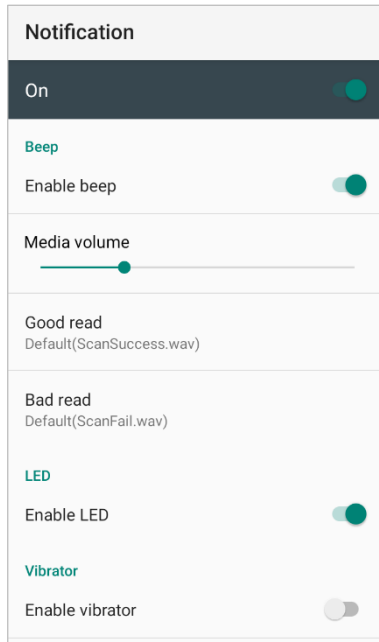
| Options | |
|----------------------------|-------------------------------------|
| On | <input checked="" type="checkbox"/> |
| Options | |
| Enable center window | <input type="checkbox"/> |
| Center window tolerance | 50 |
| Decode mode | Standard |
| Delay before decoding(sec) | 0 seconds |
| Inverse 1D mode | Regular Type Only |
| Power save mode | <input checked="" type="checkbox"/> |
| Power save timeout(sec) | 60 seconds |

Scanner

Notification

Control the beep sound, LED and vibration option.

Figure 65 ScanSettings - Notification



Scanner

Wedge

Set below items in Wedge settings

- Barcode ID
- Aim ID
- Group separator
- Prefix
- Suffix
- Character set
- Extended Wedge

Figure 66 ScanSettings - Wedge

Wedge

On

Barcode ID

Transmit barcode ID

Transmit AIM ID

Group separator
GS

Label

Prefix

Suffix

Character set

Charset
UTF-8

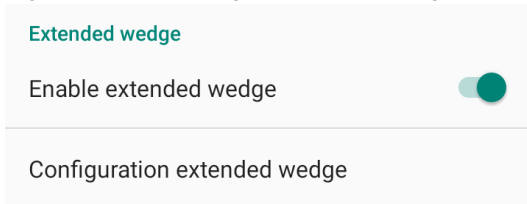
Extended wedge

Scanner

Extended wedge

PM30 supports Extended wedge that allows to edit the decoded data. Tap **Enable extended wedge** toggle switch and then set a rule in **Configuration extended wedge**.

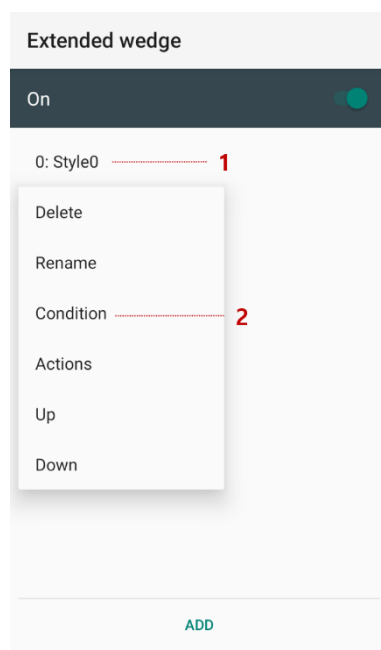
Figure 67 ScanSettings - Extended wedge



For example, make a rule that add a string “*Point Mobile*” at the start of decoded data whenever decoding CODE128.

1. Tap **Style** (1) and select **Condition** (2).

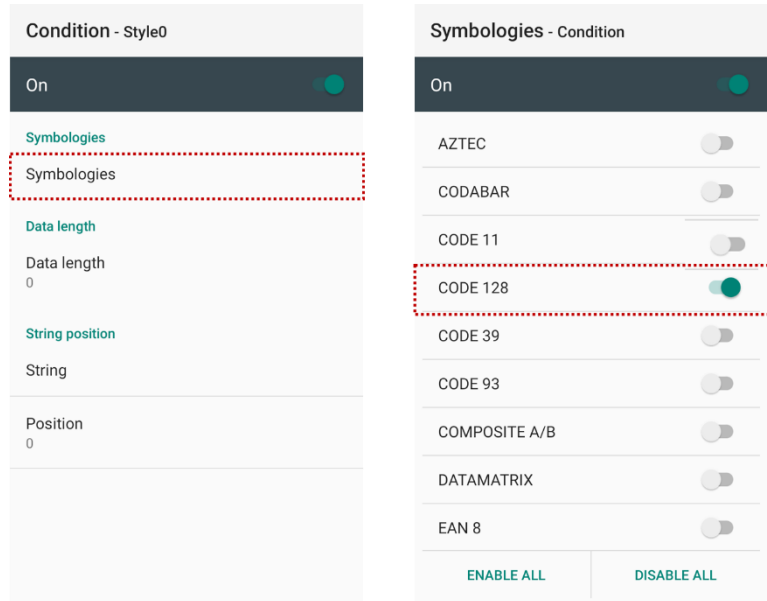
Figure 68 Extended wedge example_1



Scanner

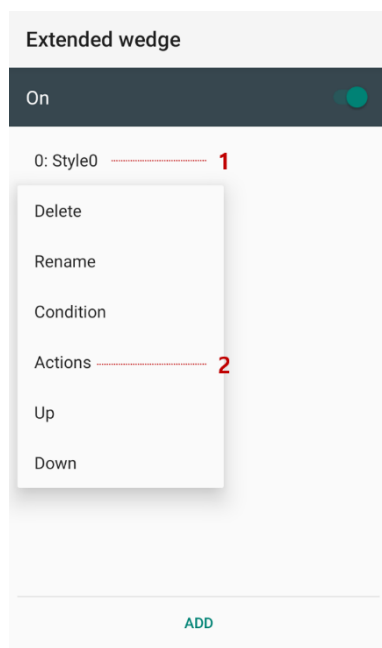
2. Tap **Symbologies** and select **CODE128** among the symbologies.

Figure 69 Extended wedge example_2



3. Tap **Style (1)** and select **Actions (2)**.

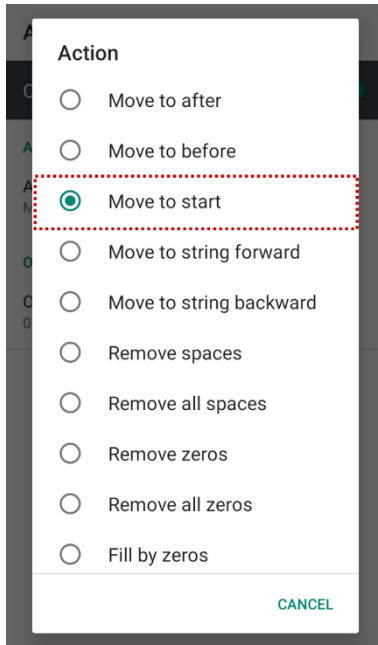
Figure 70 Extended wedge example_3



Scanner

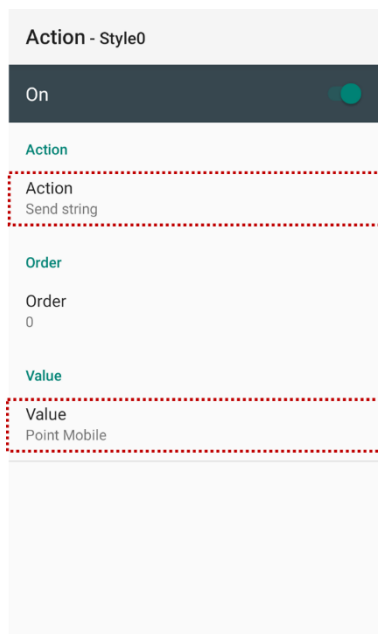
4. Tap **ADD** and select **Move to start** to point the start of the decoded data.

Figure 71 Extended wedge example_4



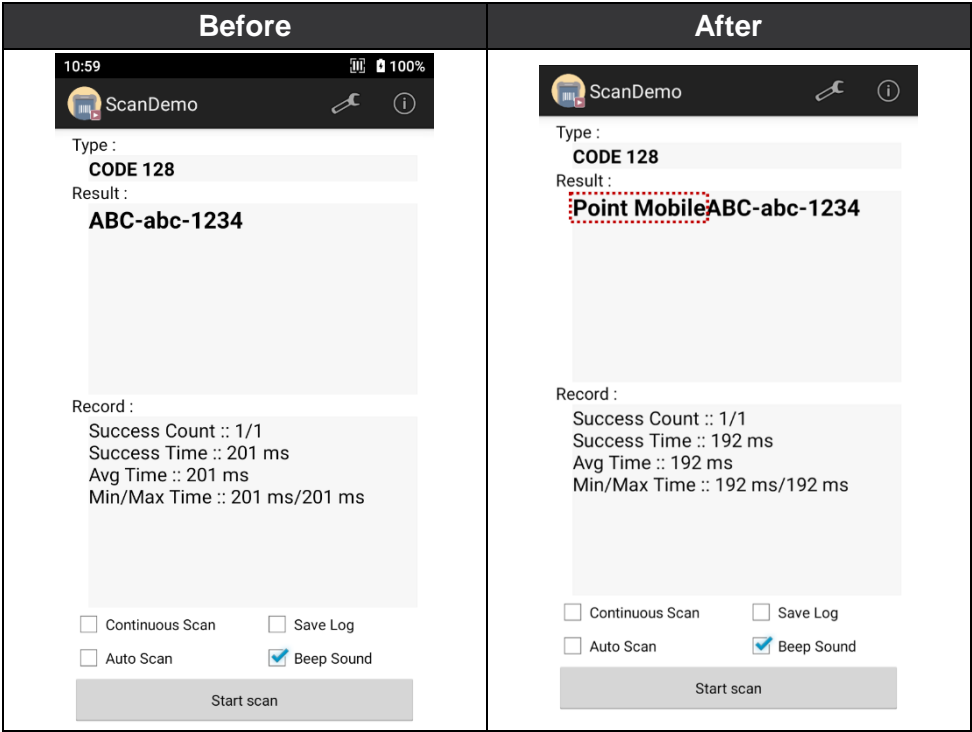
5. Add another action of which action type is Send string. Set value as “*Point Mobile*”.

Figure 72 Extended wedge example_5



Scanner

6. “Point Mobile” string will be added to decoded CODE128 data.

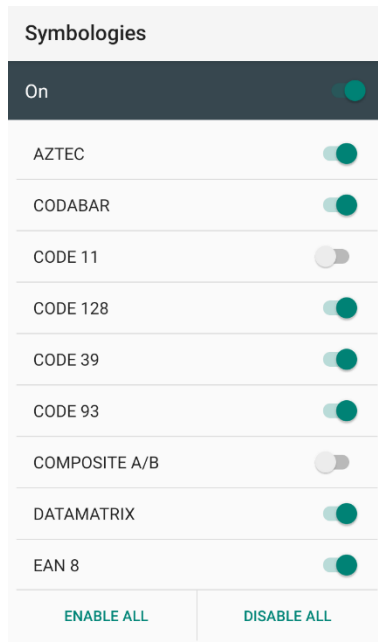


Scanner

Symbologies

Enable or disable the specific symbology or set detail options. By tapping each symbology name to access detail options.

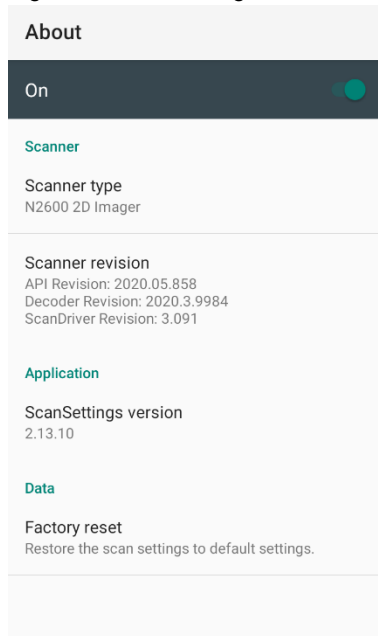
Figure 73 ScanSettings - Symbologies



About

Find the scanner information or restore the scanner settings to default.

Figure 74 ScanSettings - About

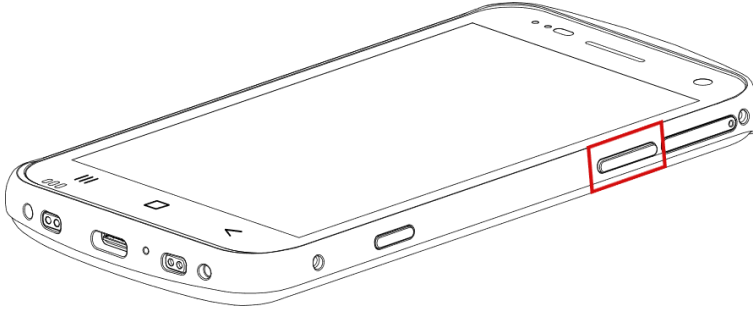


Scanner

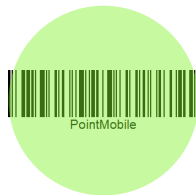
Scan a Barcode

Keep the distance as aim the barcode while pressing the scan button on the left side of the PM30. If another button is set as scan trigger using Program buttons (Refer to [Use the Buttons – Program buttons](#)), it can trigger the scan action, too.

Figure 75 PM30 default scan button



Ideal barcode reading



Place the barcode within the green dot aimer.



Even if the green dot aimer is covering only part of barcode, PM30 can read the barcode if it is aiming enough area.

Bad barcode reading



Keep the distance that the green dot aimer can cover the barcode enough.

Scanner

ScanDemo

Using Scan Demo app, demonstrate the scanning feature.



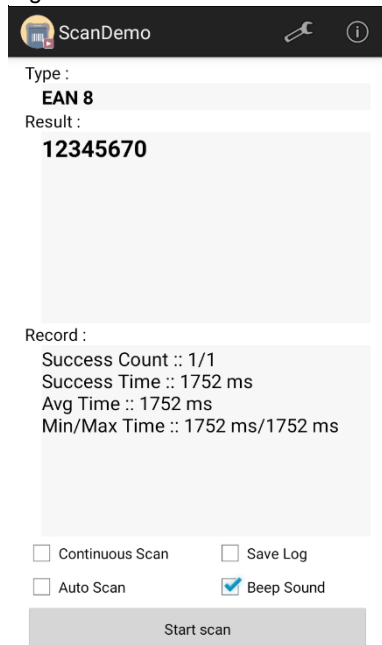
1. Execute **EmKit**  > **ScanDemo** .
2. Scan a barcode by pressing the scan button on the device or tapping **Start scan** button on the screen.
3. Find scan result

Figure 76 ScanDemo



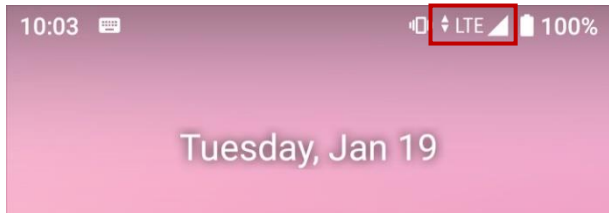
Wireless

Mobile Network (LTE SKU Only)

PM30 LTE SKU (PM30G6K03DHE0F) supports mobile network. To connect mobile network, SIM card is required. Insert SIM card into PM30 first referring [Install SIM & SD card](#).

After inserting the SIM card, reboot the device. When network is connected, a network icon will be appeared on the status bar.

Figure 77 Mobile network icon





Find network information and adjust the network settings in **Settings**  > **Network & internet** . This setting menu can also be accessed by long-press the Mobile data icon in Quick setting panel.

Figure 78 Mobile network setting

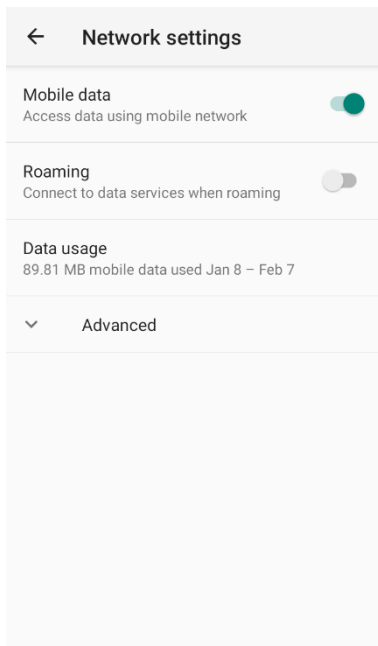
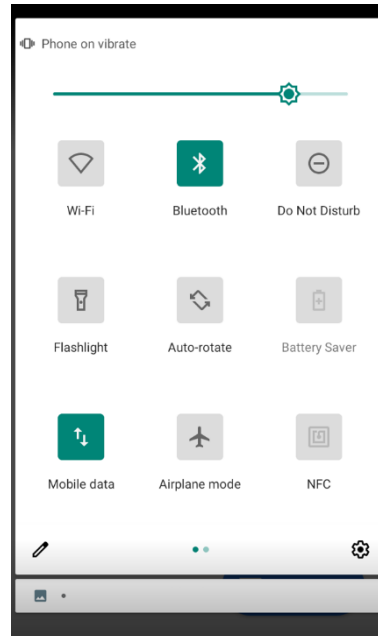


Figure 79 Quick setting panel - mobile network



Wireless

Wi-Fi

To turn on and connect a Wi-Fi,



1. Go to **Settings**  > **Network & internet**  > **Wi-Fi**.
2. Tap toggle button to enable Wi-Fi.
3. Device searches for nearby Wi-Fi signals and lists them in order of signal strength.
4. Select a Wi-Fi SSID to connect.
5. The message **Connected** under the SSID means the device complete to connect to the Wi-Fi.

Figure 80 Wi-Fi connected



Note: There are Open Wi-Fi network and Secured Wi-Fi network. You can tell those apart by lock icon (🔒) in the nearby Wi-Fi list.

To connect the secured Wi-Fi network, you need to enter the password.

Figure 81 Open Wi-Fi Network

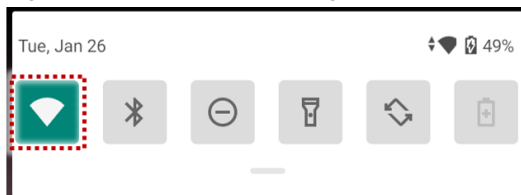


Figure 82 Secured Wi-Fi Network



If there is a saved Wi-Fi network, simply turn on the Wi-Fi through the Quick setting panel. The saved network will be connected automatically.

Figure 83 Wi-Fi in Quick setting panel



Wireless

Bluetooth

Turn on / off

Bluetooth is turned off as default. There are two ways to turn on the Bluetooth,


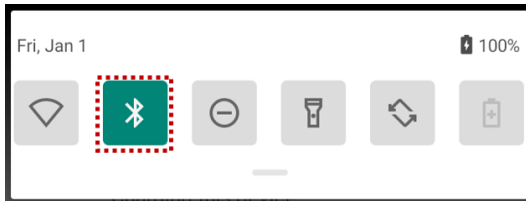
- Open quick setting panel and enable Bluetooth 

Figure 84 Bluetooth in Quick setting panel



- Go to **Settings**  > **Connected devices**  > **Pair new device**

Pair and Connect

Bluetooth is turned off as default. To turn on the Bluetooth and connect with a new device,



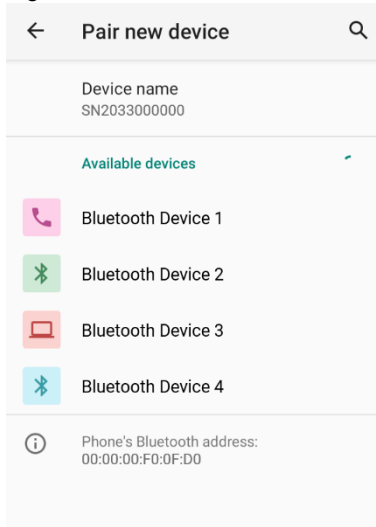
1. Go to **Settings**  > **Connected devices** .
2. Tap **Pair new device**.
(Bluetooth will be turned on automatically)
3. Select the device you want to pair among **Available devices** list.

Figure 85 Bluetooth available devices

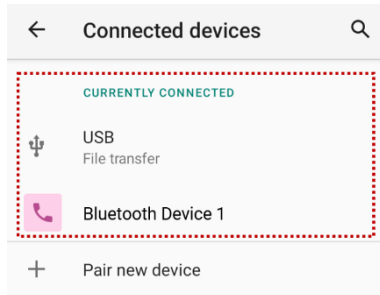


4. Follow instructions on the screen (Pairing code or pairing confirmation dialog) and tap **PAIR**.

Wireless

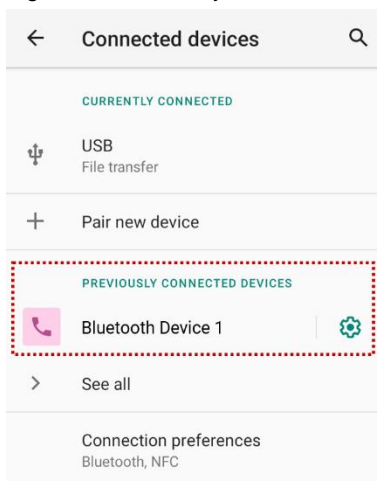
5. When the connection is succeeded, the connected device name is listed in **CURRENTLY CONNECTED**

Figure 86 Bluetooth currently connected




To connect a device previously connected, select the device name from the **PREVIOUSLY CONNECTED DEVICES** list.

Figure 87 Previously connected devices

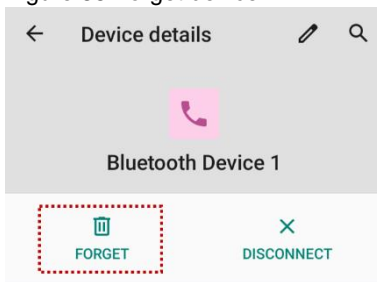


Unpair and Disconnect

To unpair the device, select the name of the device you want to unpair from **CURRENTLY CONNECTED** list and tap **FORGET** .

Or tap **DISCONNECT**  to disconnect only and not unpair.

Figure 88 Forget device



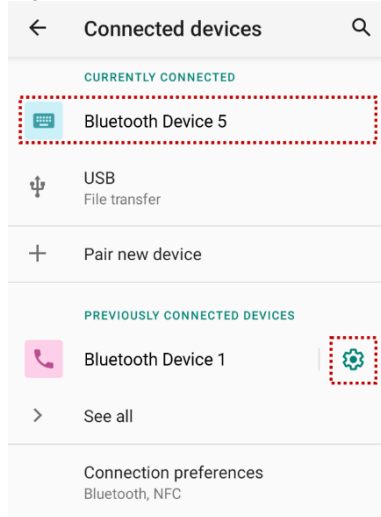
Wireless


Change the Bluetooth device details

Select a device name from **CURRENTLY CONNECTED** or tap  icon next to the device name from **PREVIOUSLY CONNECTED DEVICES** list.

If no devices are listed under the **PREVIOUSLY CONNECTED DEVICES**, tap **See all**.

Figure 89 Bluetooth device detail



- To change the device's name, tap  on the top of the screen
- Turn other settings on or off (Available on some devices)

Wireless

NFC (Near Field Communication)


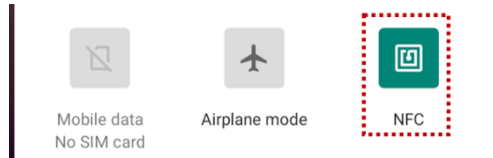
NFC is enabled by default. But if NFC does not work, make sure the NFC  is enabled from the Quick setting panel.

Figure 90 NFC in Quick setting panel



PM30 has an NFC antenna on the rear side. Check NFC antenna location and bring close the NFC tag to antenna as below.

Figure 91 NFC antenna location

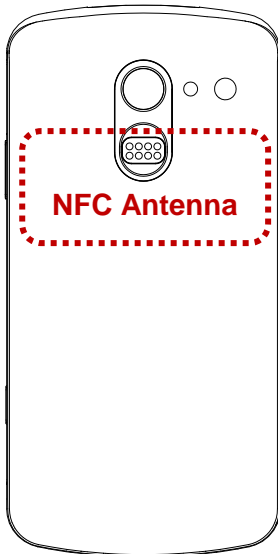
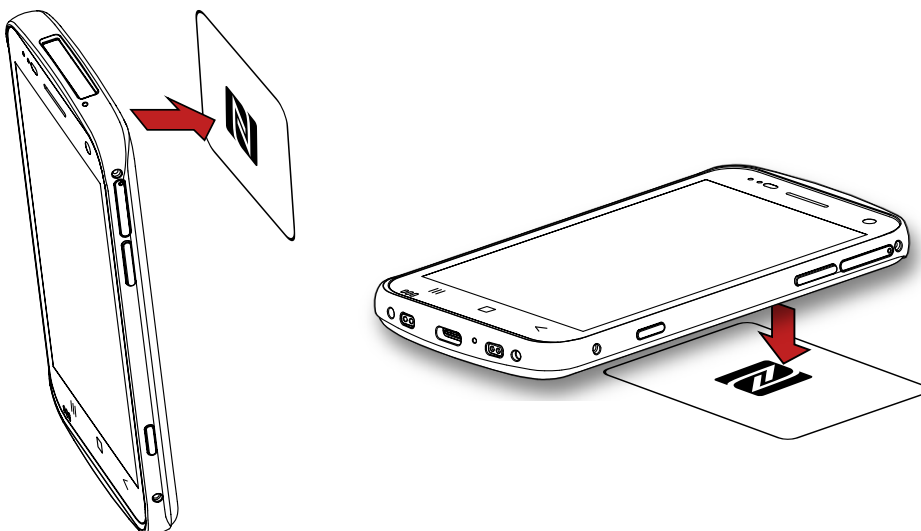


Figure 92 NFC tagging



Wireless

RFID

Connect PM30 to RFID reader, RF300 (sold separately). Devices can be connected with each other through a wired connection or Bluetooth connection. For both connect methods, RFID Control application is required. Download RFID Control from [Service Portal](#) and install the app on the PM30.

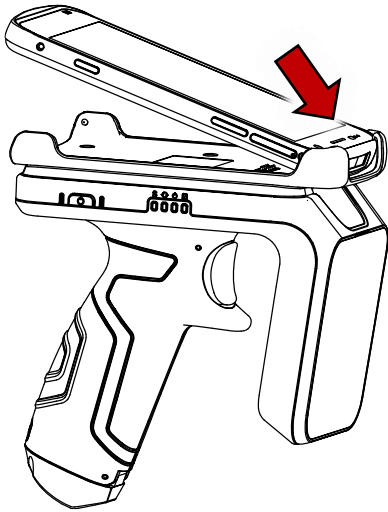


Note: Find more detail in *RF300 User manual* and *RFID Control User guide*.

To attach the PM30 to RF300,

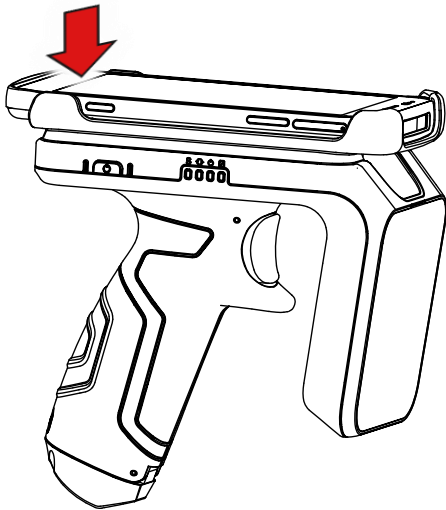
1. Insert the PM30 into the retention fixture of the RF300 from the top

Figure 93 Installing PM30 to RF300_1



2. Push the bottom side of the PM30 down

Figure 94 Installing PM30 to RF300_2



System Maintenance

System Information

There are two ways for checking system information, on settings and on EmKit.

On Settings

Go to **Settings**  > **About phone** . Following information can be found.

- Device name
- Phone number
- Emergency information
- Legal information & Certificates
- Model & SIM status
- Hostname
- Android version
- IMEI
- IP address
- Wi-Fi MAC address
- Bluetooth address
- Build number

On EmKit

Go to **EmKit**  > **System Information** . Following information can be found.

- Processor information
- Version information (Android version, OS image version, SDK version, etc.)
- Manufacturer information (Serial number, Part number, etc.)
- Device information (Scanner, Camera, Audio, Display, etc.)
- Battery information (Battery charging status, etc.)
- App version information (Version of EmKit apps)

System Maintenance

Check Device Health

EmHealthReport is a solution that provides the device's battery and eMMC health.

Monitor the battery and eMMC status to foresight their lifetime or find the cause when there is a battery problem such as cannot charge the device or rapid battery discharge.



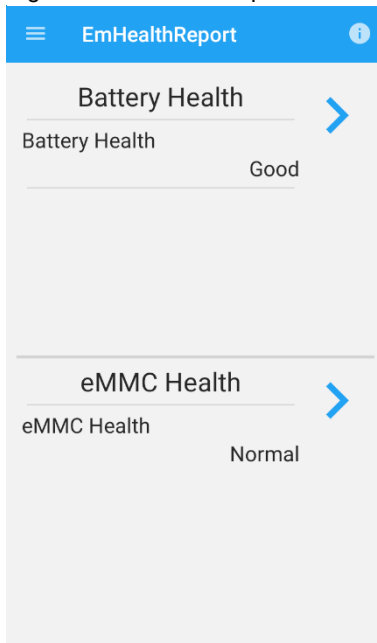
To use, open **EmKit**  and launch **EmHealthReport** . You can see the simple device health information on main screen. To find detailed information, tap each blue arrow on the right side of the screen.

Figure 95 EmHealthReport



● Battery Health

- Battery Level
- Battery Health
- Battery Voltage
- Battery Temperature
- System Temperature
- Current Smart Charging mode

● eMMC Health

- Pre-EOL Information
- Device life time estimation type A
- Device life time estimation type B

System Maintenance

OS Update

Periodic update improves the performance of the device. Point Mobile provides up-to-date OS version via Service Portal and FOTA. Update the device via storage, OTG port, and FOTA server. Depending on the workspace environment, choose more suitable method.

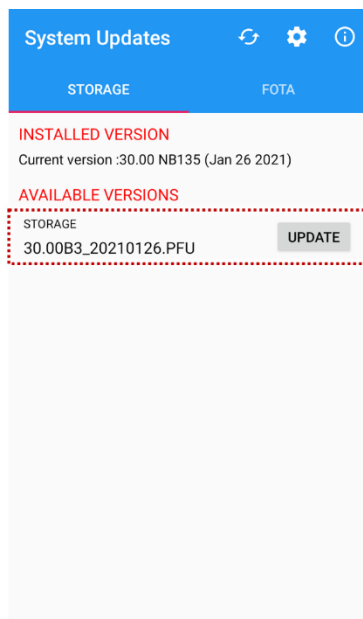
Note: Please backup your data before starting the update process.

OS update via storage

To update the OS using storage,

1. Download an OS image file into the root folder of microSD card or device internal storage
2. (In case of using SD card) Insert SD card to the device and then turn the device on
3. Go to **Settings** > **System** > **Advanced** > **System Update**
4. Check if the OS image file shows up under **AVAILABLE VERSIONS**

Figure 96 OS update via storage





5. Tap **UPDATE** to start the update process

Note: If the OS image file doesn't show up in **AVAILABLE VERSIONS**, check the file is placed in the root folder of storage. System only can recognize the file in the root folder.

System Maintenance

OS update via OTG port

PM30 supports the USB OTG feature.

1. Prepare a formatted USB flash drive for OS update
2. Copy an OS image file to the root folder of the flash drive
3. Connect the flash driver to the PM30
4. Go to **Settings**  > **System**  > **Advanced** > **System Update**
5. Check if the OS image file shows up under **AVAILABLE VERSIONS**
6. Tap **UPDATE** to start the update process

OS update via FOTA

If PM30 can connect to a network, use the FOTA server for the update.



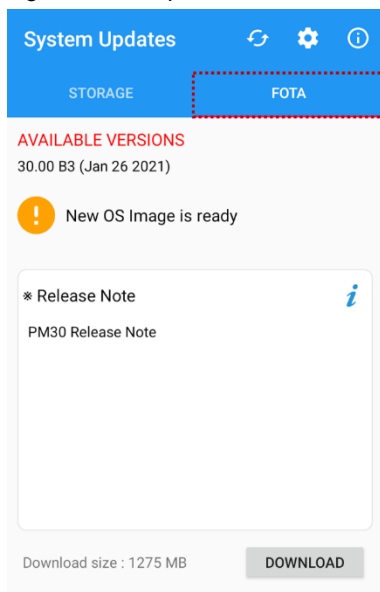
1. Connect the device with a network
2. Go to **Settings**  > **System**  > **Advanced** > **System Update**
3. Tap **FOTA** tab or Swipe left to move to **FOTA** tab
4. If there is an OS version newer than device's one, the server shows the new OS information

Figure 97 OS update via FOTA



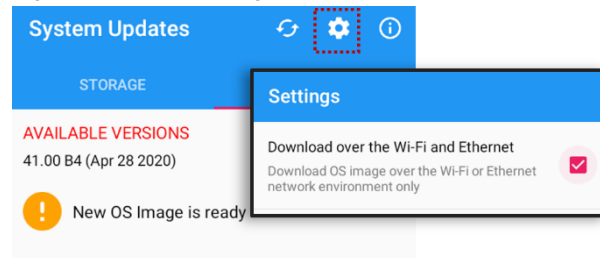
System Maintenance

5. Tap **Download**
6. Tap **OK** on the **OS Update** dialog to start to download the OS image file
7. To complete the update, rebooting is required. Tap **OK** on the **Restart required** dialog to restart the device



Note: Basically, OS update via FOTA works over Wi-Fi or Ethernet only. To enable the OS update over Mobile Network too, uncheck the setting value in FOTA Settings. Downloading over the Mobile network may result in additional charges.

Figure 98 FOTA Settings



System Maintenance

Factory Data Reset

When PM30 work abnormal or there is a need to reset the device, follow the steps below to perform a factory data reset.



Caution: *Factory data reset will erase all personalized settings and data saved in the device, such as Google account, apps, user data, etc. And factory data reset cannot undo.*

Factory data reset via Settings app

If the device can be turned on and access **Settings**,



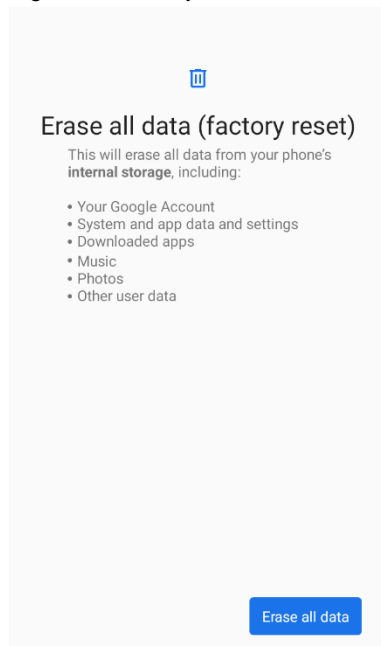
1. Navigate to **Settings**  > **System**  > **Advanced** > **Reset options**
2. Tap **Erase all data (factory reset)**
3. After being aware that factory reset will erase all data from the internal storage, tap **Erase all data**

Figure 99 Factory data reset



4. Tap **Erase all data** again to start the factory reset process

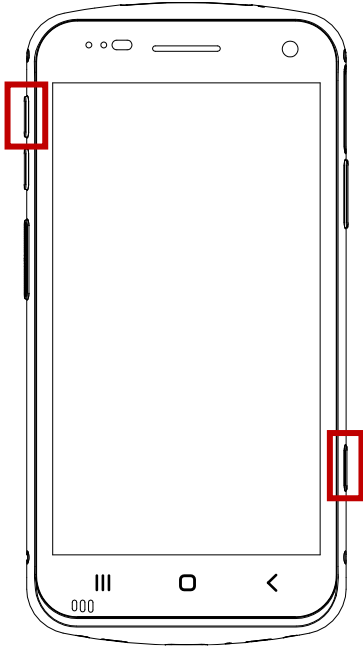
System Maintenance

Factory data reset via recovery mode

If device works abnormal so does not turn on, try to perform factory data reset through Android recovery mode.

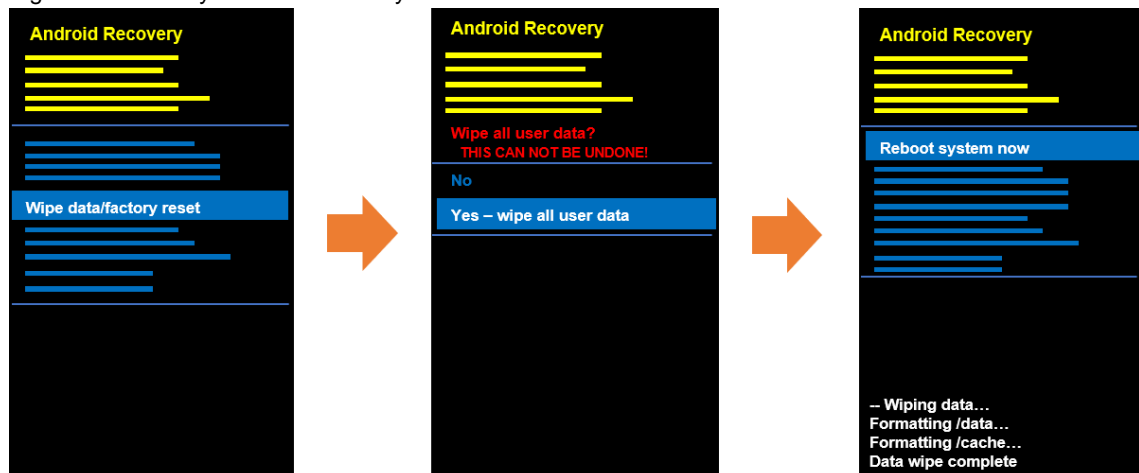
1. Press and hold **power button** and **volume up** buttons simultaneously when PM30 turned off

Figure 100 Recovery mode button combination



2. After short vibration, release the power button
3. Using the keys below, select **Wipe data/factory reset**
 - **Move down / up** – Press volume down / up button
 - **Select the menu** – Press power button
4. After wiping the data, select **Reboot system now**

Figure 101 Factory reset via recovery mode



Accessories

PM30 supports below optional accessories.

| Category | Accessory Name | Usage |
|-----------------------|-----------------------------------|--|
| Sled type | Gun handle | Provide additional scan trigger button (Programmable) |
| | RF300 | Reading UHF RFID tags |
| Charging cradle | SSC (Single Slot Cradle) | Charge PM30 with sled accessory |
| | SEC (Single Slot Ethernet Cradle) | Charge PM30 and Ethernet communication |
| | 2SC (2 Slot Cradle) | Charge PM30 and PM30 with PMBooster or protection case |
| Wireless charging | Wireless charging pad | Charge PM30 wirelessly |
| Extended battery case | PMBooster | Provide extended battery capacity to PM30 |
| Protective case | Protective case | Protect PM30 from physical damage |

Gun Handle

Attach a gun handle to PM30 and use additional programmable button. The button is used for triggering scanner usually.

Figure 102 PM30 with gun handle



Accessories

RF300 (UHF RFID Reader)

RF300 is mounted on the PM30 and used to read RFID tags. To connect the devices, RFID Control application is required. For more detail, see [RFID](#) chapter or RF300 User Manual.

Single Slot Cradle (SSC)

SSC is a charging cradle for a PM30 with sled type accessory mounted. SSC can charge,

- PM30 with RF300 mounted
- PM30 with gun handle mounted

PM30 and RF300 will be charged simultaneously when using SSC.

For more detail, find [Charge the device – Charging with Cradle](#) chapter or SSC Quick start guide.

Single Slot Ethernet Cradle (SEC)

SEC is a charging cradle capable of Ethernet communication. SEC can charge,

- PM30 alone
- PM30 with protective case

For more detail, find [Charge the device – Charging with Cradle](#) chapter or SEC Quick start guide.

2 Slot Cradle (2SC)

2SC is a charging cradle which can charge 2 unit of PM30 simultaneously. 2SC can charge,

- PM30 alone
- PM30 with PMBooster
- PM30 with protective case

If a PM30 with PMBooster mounted is installed into 2SC, PM30 is charged first and after fully charging the PM30, PMBooster will be charged.

For more detail, find [Charge the device – Charging with Cradle](#) chapter or 2SC Quick start guide.

Accessories

Wireless Charging Pad

PM30 supports wireless charging. Wireless charging pad can charge,

- PM30 alone
- PM30 with protective case

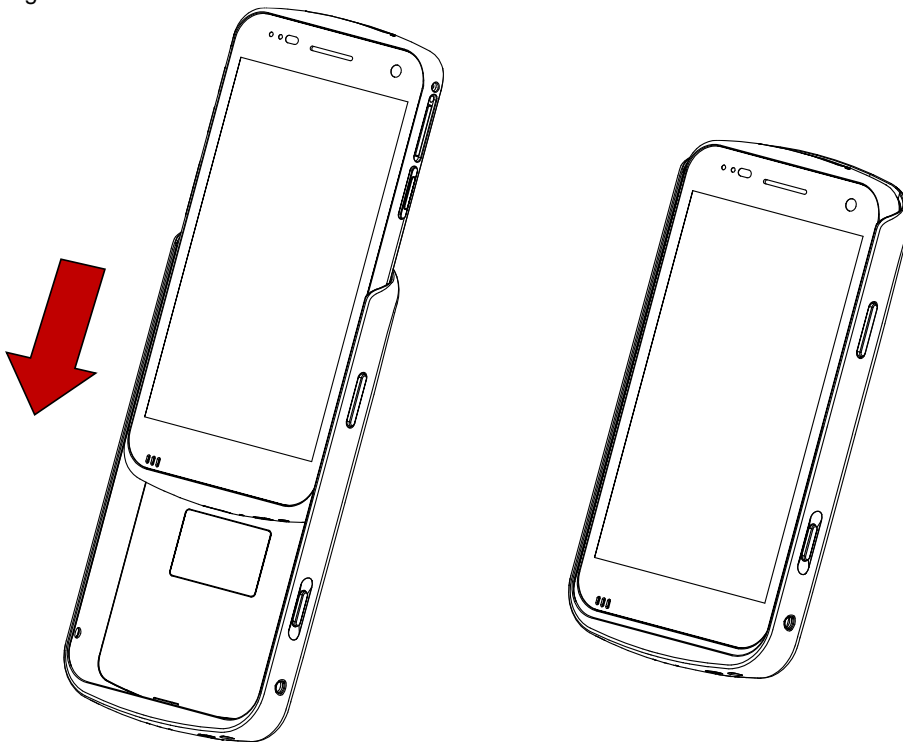
Refer to [Charge the device – Wireless charging](#) chapter to find out how to charge PM30 by wireless charging pad.

PMBooster

PMBooster is an extended battery case for PM30. PMBooster includes a rechargeable 3250mAh Li-ion battery so it can charge the PM30 through USB Type C connector.

To use PMBooster, slide the PM30 into PMBooster top to bottom as below figure. Before installing the PM30, remove all mounted accessories from PM30.

Figure 103 Insert PM30 to PMBooster



PM30 with PMBooster mounted can be charged using USB Type C cable or 2SC.

For more detail, find PMBooster Quick start guide.

Safety Information

Battery Safety Information

Follow battery safety guidelines in this manual for safe usage and disposal of Li-ion batteries. Improper battery usage may result in an explosion, fire, or other critical hazards.

Battery Usage & Disposal Guidelines

1. Use only Point Mobile approved batteries and charging accessories. Other batteries and charger may damage the device.
2. Do not disassemble or modify the battery. Do not bend, shred, deform the battery.
3. Do not expose the battery to excessive heat or cold. Do not place the battery into a microwave oven or dryer.
4. Do not short-circuit the battery or allow a foreign object to battery contacts.
5. Do not burn, expose to water, or other liquids the battery.
6. If battery leakage is observed, avoid any contact with the skin or eyes. If contact has been made, wash the affected area with water for 15 minutes, and seek medical attention.
7. Follow the local regulations for the disposal of used batteries.
8. Do not store or charge the battery in direct sunlight or in areas prone to get hot such as in a parked vehicle, near a heat duct, or close to other heat sources.

Battery Charging Guidelines

1. Do not charge the battery in or near areas with materials that could obstruct charging or cause a short-circuit.
2. Do not charge the battery in the excessive hot or cold area.
3. Separate the charger from the battery as soon as possible when the battery is fully charged.

Safety Information

Battery Storage Guidelines

Storing the batteries is as important as using it safely. Battery is a core part of the device's performance so that you should treat the batteries safely.

1. Batteries should be stored in the clean, dry and ventilated environment within ambient temperature ranges of 20 ± 5 °C
2. Keep batteries away from corrosive substances.
3. Keep batteries away from fire and heat.
4. Batteries are charged while producing to below 20 ~ 30 % of full capacity for safety regulations.
5. Charge it for 30 minutes –1hour t least once every six months to prevent full discharge and keep the performance, when you are not using the battery for a long period.



Notice: The battery is consumable goods. Point Mobile provides warranty for battery in 6 months after purchase.

If you suspect the battery swelling, change the battery and contact Point Mobile to use safely.



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