



For Android™ 15

Enterprise Mobility

PM68

User Manual

Introduction

This manual provides information about basic features and using the PM68. Please read this manual carefully before using your device and peripherals to ensure safe and proper use.



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

Revision History

Revision	Date	Description
v1.0	14 Mar 2025	Initial release

Note Indicators

The manual uses the following note types to provide important or further information to readers.



Note: Provides additional tips helpful when using the device.



Caution: Indicates recommended precautions to use the device safely.



Warning: Highlights important precautions that may prevent minor or serious physical or system injury.

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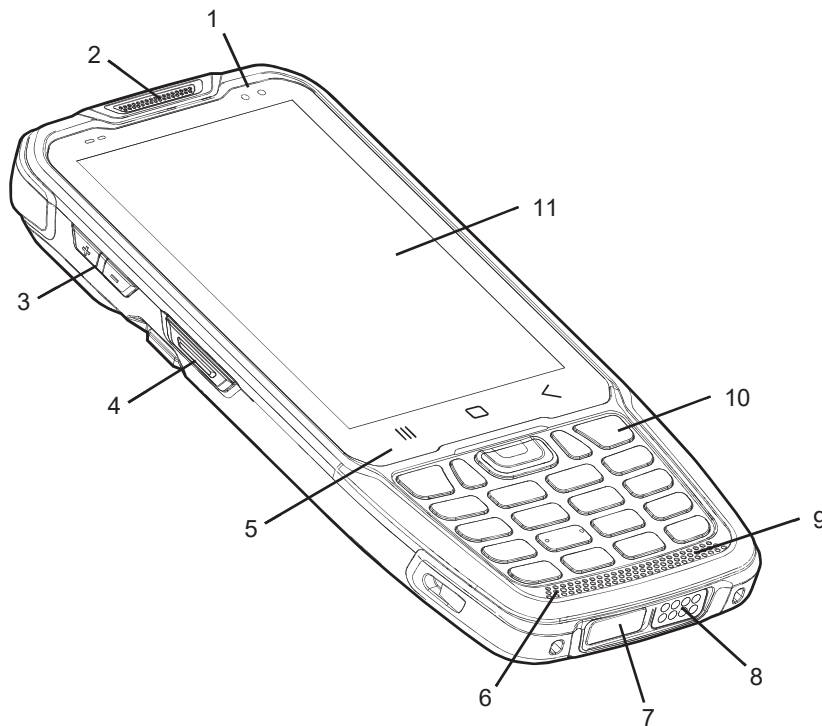
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Getting Started

Device Parts

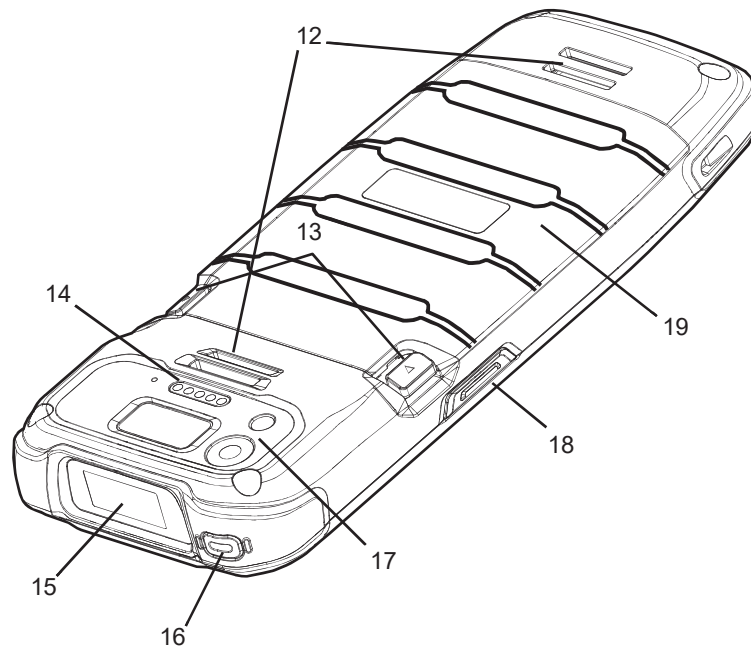
Figure 1 PM68 front + left view



No	Name	Description
1	LED indicator	Indicate the power status and notification. Find more details in LED indicator .
2	Receiver	Use with making a phone call
3	Volume buttons	Control the volume
4	Scan button (Left)	Scan a barcode by pressing (Programmable button)
5	Software buttons	(Recent app button) : List up the recently used apps □ (Home button) : Go to home screen < (Back button) : Go back to previous screen
6	Microphone	Use for collecting sound
7	USB connector	USB Type C connector for charging and data communication
8	I/O connector for cradle	Connector for charging with cradle
9	Speaker	Ring system sound
10	Keypad	Numeric Keypad (For more details, refer to Keypad)
11	Touch screen	Displays all operating screen

Getting Started

Figure 2 PM68 rear + right view



No	Name	Description
12	Hand strap hole (top / bottom)	Mount a hand strap
13	Battery release button	Press the buttons in to release the battery
14	Rear I/O connector	Connector for sled type accessories (RF88 sled or gun handle)
15	Scanner	Scan a barcode
16	Power button	Turn on/off the device
17	Rear camera & Flashlight	Take a picture & Use flashlight in camera or torch mode
18	Scan button (Right)	Scan a barcode by pressing (Programmable button)
19	Battery	Provide power (battery and battery cover are combined)

Getting Started

Product Standard Accessories

The following items are in the product box.

Accessory	Name
	Battery pack
	5V 2A power adapter
	AC plug
	LCD protection film
	Hand strap (equipped)



Note: The images may differ from the actual accessory.

Getting Started

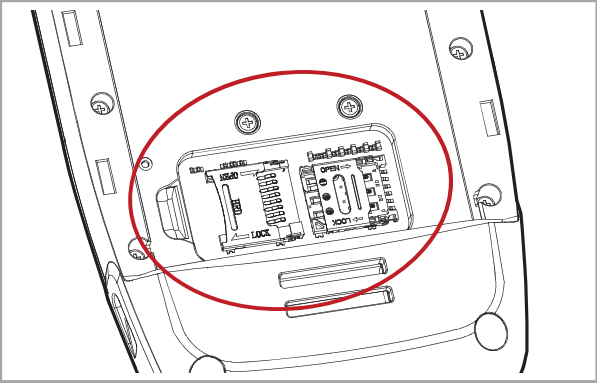
Install SD & SIM cards

PM68 supports

- microSD card
- Nano SIM card – WWAN (LTE) SKU only

You can find the card slots when removing the battery. Depending on SKU, the equipped card slots are different. Refer to the following table.

Figure 3 PM68Card Slots



Wi-Fi SKU	WWAN (LTE) SKU
	

Getting Started

Card slot cover

You must open the card slot cover to install or remove the cards. The slot cover protects the device from water, dust, etc.

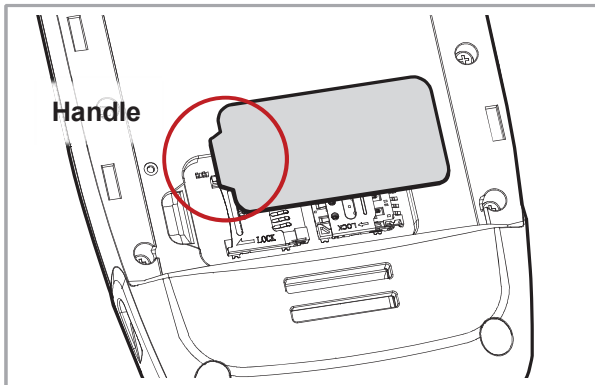
To open the cover, pull it out using the handle on the left side.

After installing or removing cards, place the cover on the card slot(s) and push the edge to close firmly.



Caution: Do not throw away the cover. It affects device sealing performance against water, dust, etc.

Figure 4 Card slot cover

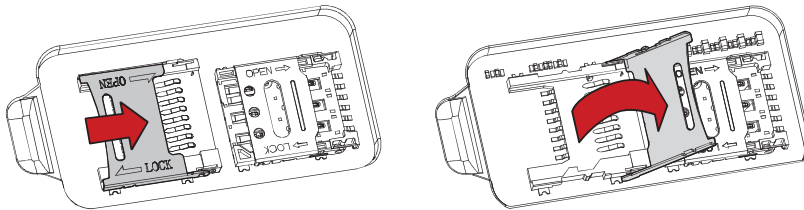


Getting Started

Install SD card

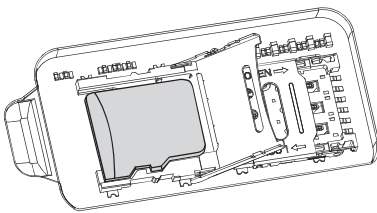
1. Remove the battery and open the card slot cover.
2. Gently slide the cardholder **right**, and swing upwards to open the holder.

Figure 5 Open SD cardholder



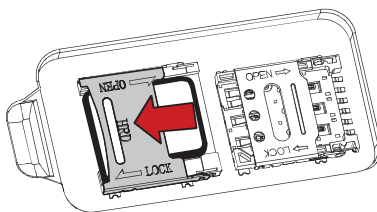
3. Put the SD card you prepared with the contacts facing down.

Figure 6 Place SD card



4. Close the holder down and gently slide it **left** to lock the holder.

Figure 7 Close SD cardholder



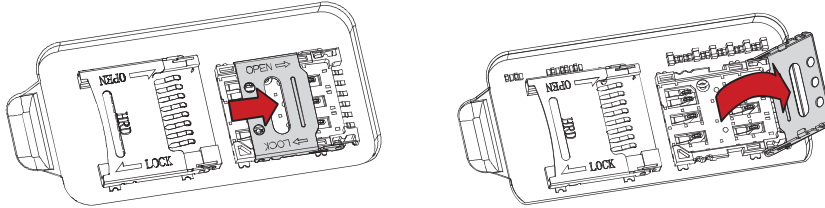
5. Close the card slot cover firmly.

Getting Started

Install SIM card

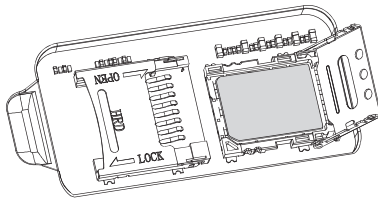
1. Remove the battery and open the card slot cover.
2. Gently slide the cardholder **right**, and swing upwards to open the holder.

Figure 8 Open SIM cardholder



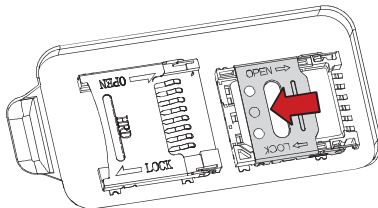
3. Put a nano SIM card you prepared with the contacts facing down.

Figure 9 Place SIM card



4. Close the holder down and gently slide it **left** to lock the holder.

Figure 10 Close SIM cardholder



5. Close the card slot cover firmly.

Getting Started

Install & Remove Battery

Install the battery



Warning: Make sure the cardholders are completely closed before installing the battery. It may damage the device if you force to install the battery while the cardholders are not closed.

1. Insert the battery from the bottom side (opposite side of the battery release buttons).
2. Push the battery down until it clicks.

Confirm that the battery release buttons are completely outward.

Figure 11 Installing battery - 1

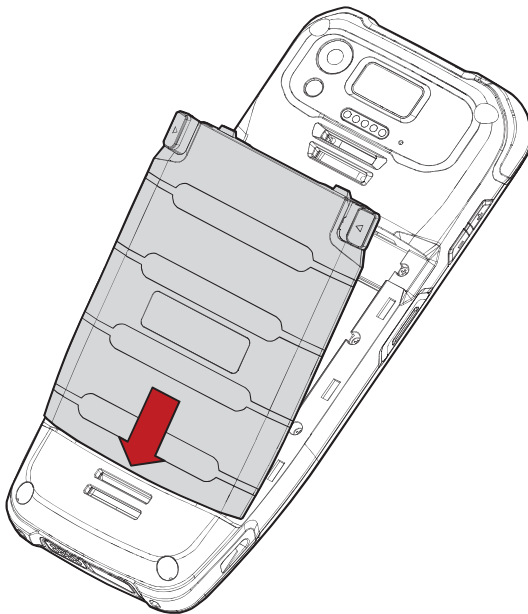
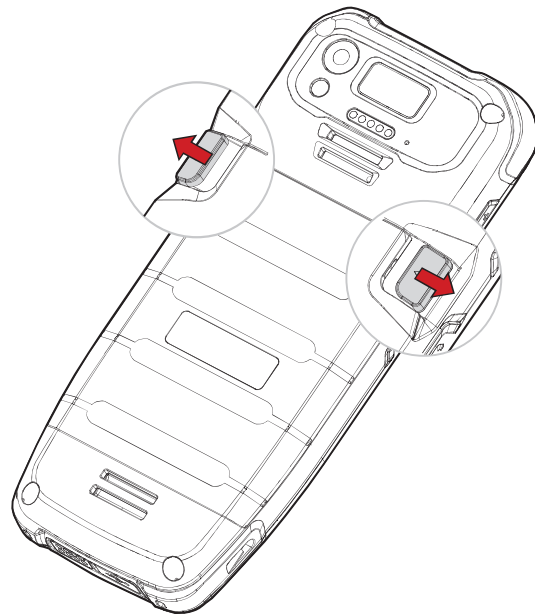


Figure 12 Installing battery - 2



Getting Started

Remove the battery

1. Hold the battery release buttons and press in/
2. While pressing the battery release button in, pull the battery up.

Figure 13 Removing battery - 1

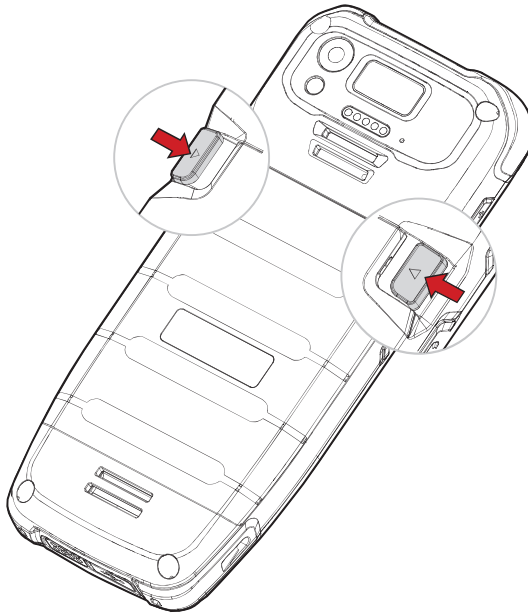
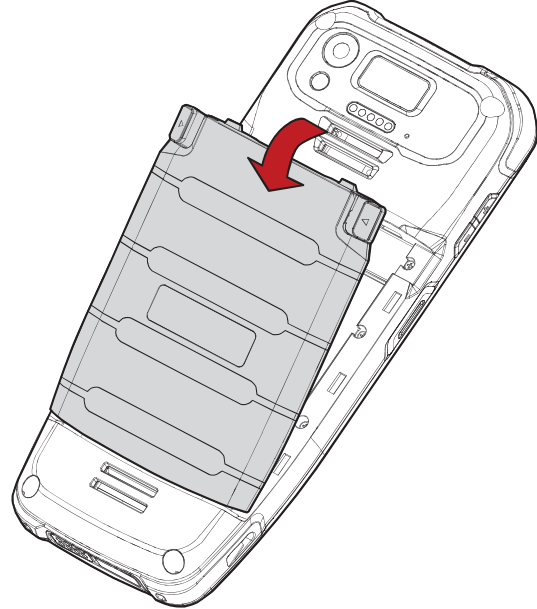


Figure 14 Removing battery - 2



Getting Started

Battery hot swap

Battery hot swap is a feature that allows users to replace the battery without powering off.

PM68 supports two types of hot swap mode, Enterprise Hot Swap, and Legacy hot swap. Basically, the device enters Enterprise Hot Swap mode. You can change the preferred hot swap mode in EmSettings.

Enterprise Hot Swap

Enterprise hot swap allows the device to maintain Wi-Fi/Bluetooth connectivity and memory persistence even when detaching the battery. Users can earn time to replace the battery without stopping the ongoing task or disconnecting the Bluetooth devices.

But, as the backup battery with a smaller capacity than the main battery takes over to maintain the system, users are highly recommended to replace the battery within 30 seconds (30 seconds countdown displays). And some mitigations are activated to conserve power consumption.

- Reducing display brightness to about 10%
- Disabling NFC, Scanner
- Lowering sound volume

Once the user replaces the battery with a charged one, the device will come back to normal operation mode without booting process.



Caution: Do not change any settings or perform actions that may increase power consumption for device stability.

Legacy hot swap

When the battery is removed from the device, the display turns off, the device enters Hot swap mode and waits for battery replacement.

Once you replace the battery to a new one, the device will come back to normal operation mode without booting process.

Getting Started

Charge the Device

Before using PM68, charge the device enough to use. PM68 can be charged with power adapter or charging cradle. For best charging performance and safety, follow the normal [charging temperature](#).



Warning: Always use an original charger and cradle from Point Mobile. Other chargers and cradles may damage PM68. Also, make sure the charger and cables are not wet.

Follow the [Battery Safety Information](#) for safety of using the battery.

Battery specification

- Typical capacity: 4,150mAh
- Rechargeable & Removable battery

Charging temperature

Charge devices and batteries in temperatures from 0 °C to 45 °C. At out-of-normal range temperatures, the PM68 may stop charging for safety, and the power LED blinks red.

Getting Started

Smart Charging

PM68 supports three charging modes to provide optimal battery performance for your work.

- **Life-X mode (Default)**
 - An optimized charging mode that improves the battery's lifespan and stability.
- **Normal mode**
 - A typical charging mode.
- **Fast charging mode**
 - A charging mode that charges the battery faster than the other modes.

To change the smart charging mode, go to **Settings > Battery** or **EmKit > EmSettings**, and select **Smart Charging**.

Figure 15 Smart Charging

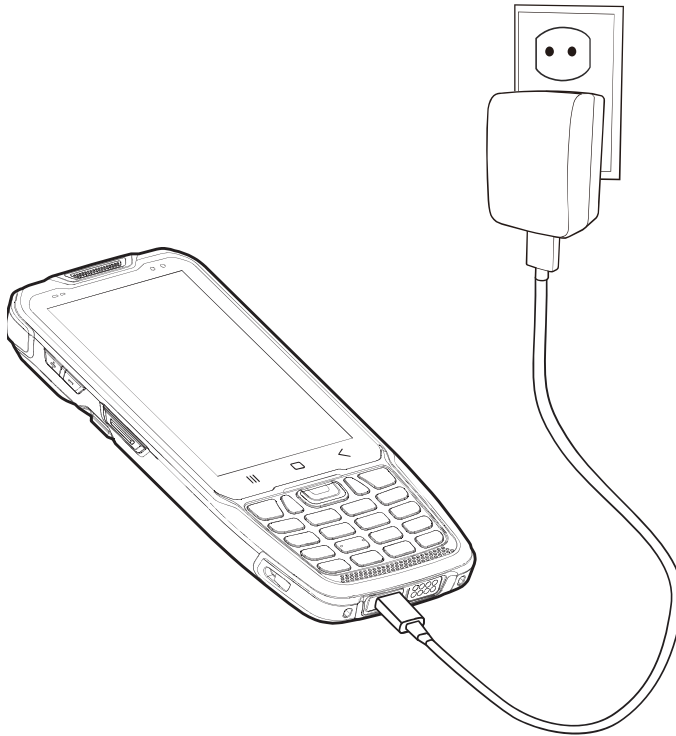


Getting Started

Charge with power adapter

1. Assemble the proper country plug and charger, and rotate the plug clockwise to engage firmly.
2. Connect the cable to the USB connector on the bottom side of PM68.
Depending on SKUs, you may need to open the USB connector's cover cap.
3. Provide power by plugging the power adapter to the wall socket.

Figure 16 PM68 charging with power adapter



Charging Cradle

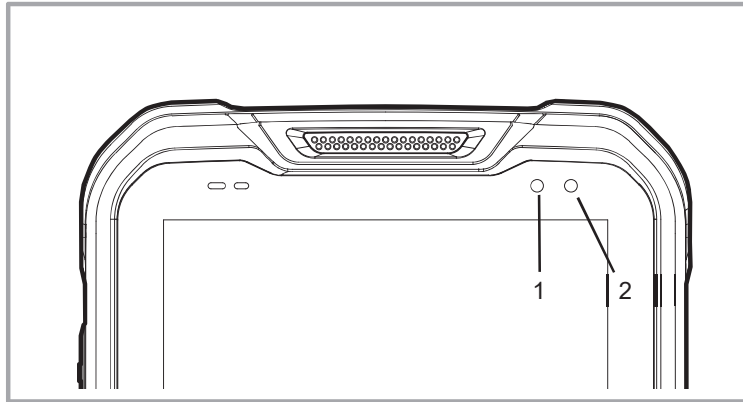
There are two types of charging cradle for PM68. Single slot cradle light (SSCL) and 4 slot battery cradle (4SBC). The cradles are sold separately. Find more detail about cradle from [Accessories chapter](#).

Getting Started

LED Indicator

PM68 has 2 LED indicators above the screen.

Figure 17 PM68LED indicators



No	Indicator	Status	Indication
1	Power LED	 Solid green	Device is completely charged
		 Solid red	Device is charging / Battery is low
		 Blinking red	Charging temperature is out-of-normal range (Refer to Charging temperature) / Battery is very low
		 Alternately blinking red & green	Cannot recognize the battery
2	Notification LED	 Blinking blue	Notification existing
		 Red flash	Barcode reading failed
		 Blue flash	Barcode reading success

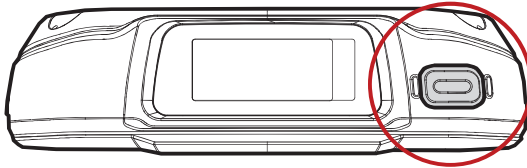
Getting Started

Turn On / Off the Device

To turn on the device,

- Press and hold the power button on the top side of the device until **SMART BEYOND RUGGED** logo displays on the screen.

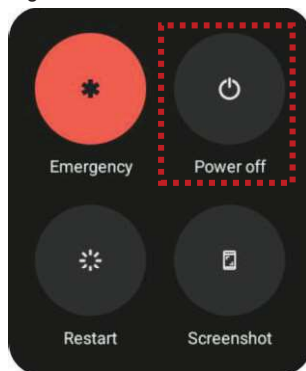
Figure 18 PM68 power button



To turn off the device,

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

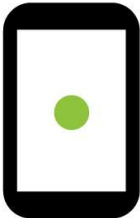
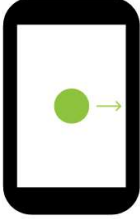
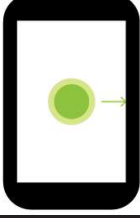
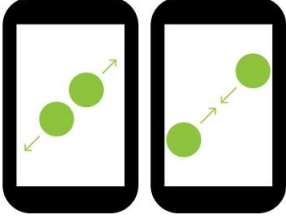
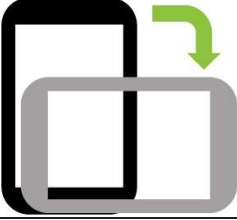
Figure 19 Power menu - Power off



Getting Started

Use a Touch Screen

Controlling the touch screen

Gesture	Description
	Tap One-finger press
	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
	Pinch Open & Close Two-finger press, move outwards and inwards, lift for zoom in / out action
	Rotate When PM68 is turning sideways, screen orientation is changing

Getting Started

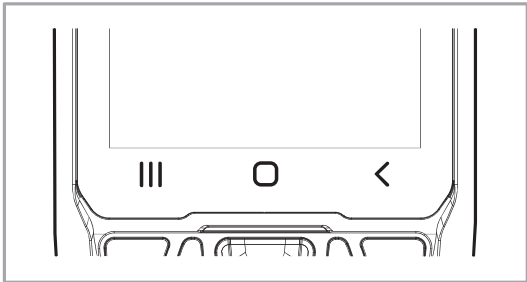


System navigation

Software buttons

The software buttons for navigating system are located below the screen. The recent app button, home button, and back button are placed in order.

Figure 20 Software buttons



Shape	Button	Function
	Recent apps button	Tap to see the recently used app list.
○	Home button	Tap to go to home screen. Long-press to launch the Google Assistant.
<	Back button	Tap to go back to previous screen.



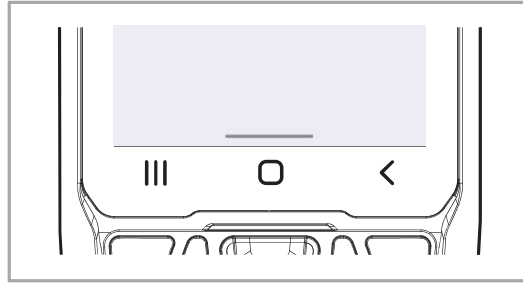
Getting Started

Gesture Navigation

The functions provided by the software buttons can be used by using specific gestures, too.

To use gesture navigation, navigate to **Setting**  > **System** > **Gestures** > **Navigation mode** and change the setting to **Gesture navigation**. Find the gestures and matched function in the table below.

Figure 21 Gesture navigation



Function	Gesture
Open recent apps screen	Swipe up from the bottom of the screen, hold, then release.
Go to home screen	Swipe up from the center-bottom of the screen.
Back to previous screen	Swipe from the left or right edge of the screen.
Launch Google Assistant	Swipe up from either the left-bottom or right-bottom.

Touch sensitivity

Adjust the sensitivity of the touch screen for different use scenarios, such as rainy condition or working with gloves.

With the Comfort / Cotton glove touch options, the sensitivity will be increased to detect the dull touch. In contrast, if selecting the Wet touch option, the sensitivity will be decreased to avoid unintended touch by wet.

1. Go to **Settings** > **Accessibility**, or **EmKit**.
2. Select **Touch Sensitivity**.
3. Select an appropriate sensitivity option. Default is Normal touch

Learning the Basics

Setup Wizard

When PM68 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 some restrictions on the use of the system.

Figure 22 Setup Wizard (main)

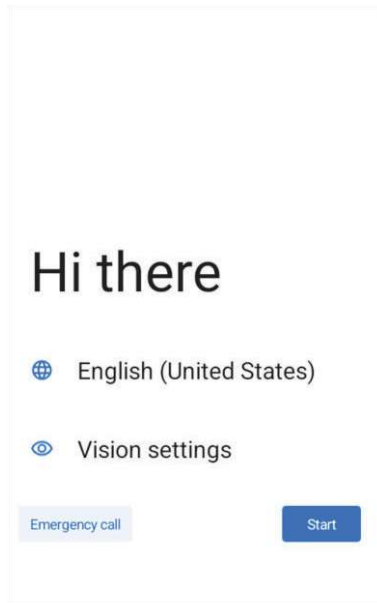
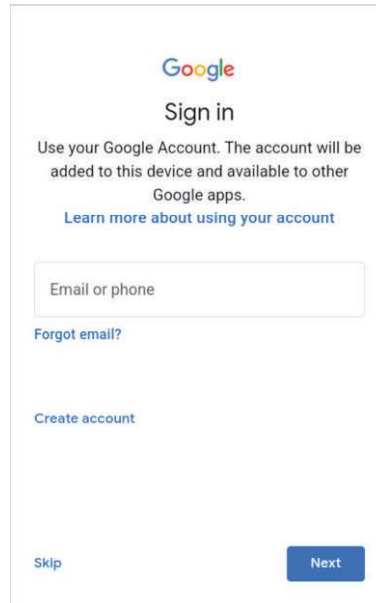


Figure 23 Setup Wizard (Google account)



Learning the Basics

Home Screen

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

Figure 24 Home screen



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

Learning the Basics

Status bar

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

Status icons

Status icons indicate the current state of the device and are displayed on the right side of the status bar.

Icon	Description	Icon	Description
	LTE connected		3G connected
	LTE+ (LTE CA) connected		Strong signal
	EDGE connected		Weak signal
	VoLTE enabled		Connection issue
	No data connection		Data disabled
	Connected to a Wi-Fi network		Data communication
	Hotspot enabled		
	Connected to a Bluetooth device		Airplane mode
	Battery is full		Battery is low
	Battery is critical low		Cannot recognize battery
	Battery is charging		Battery saver is on
	Data saver is on		Alarm is set
	Location service turned on		Vibrate mode
	Speakerphone turned on		Phone mic is mute
	Scanner turned on		Scanner turned on, but trigger turned off
	Numeric input mode		Uppercase alphabet input mode
	Lowercase alphabet input mode		Functions input mode

Learning the Basics

Notification icons

Notification icons which indicate new notifications or status changes, are displayed on the left side of the status bar.

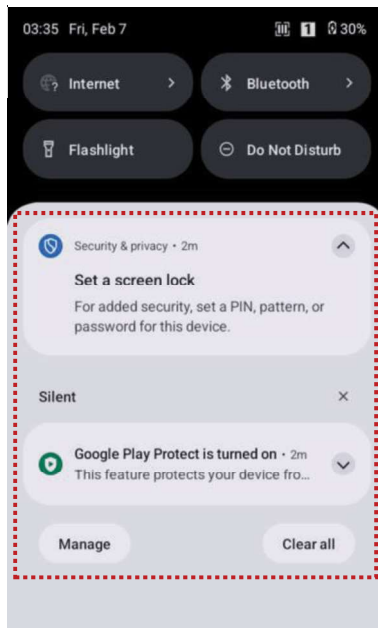
Icon	Description	Icon	Description
	Missed call		New SMS or MMS message
	New Email		Connected to VPN network
	Upcoming event		Other input method available
	File uploaded		File downloaded
	File copied		OTG device connected
	There are more notifications		

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 25 Notification panel



Learning the Basics

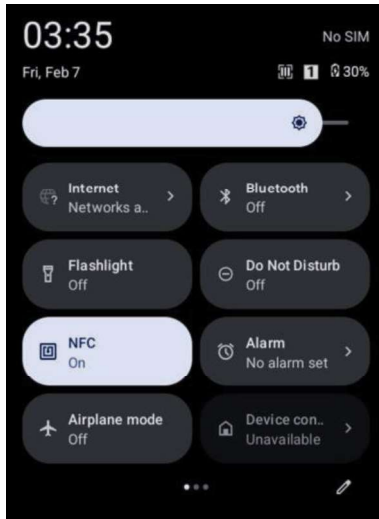
Quick setting panel

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

Figure 26 Quick setting panel



To edit the configuration of Quick setting panel,

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

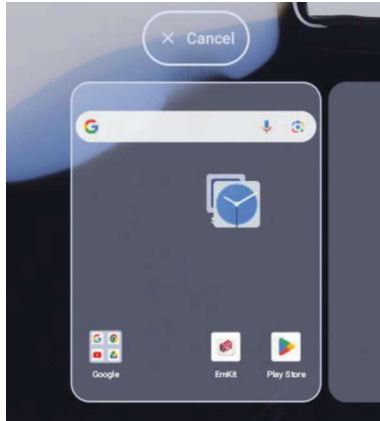
Learning the Basics

Apps & Widget

App folder

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

Figure 27 Create app folder



To change the folder name, tap the **Edit Name** and input a new name.

Figure 28 Change app folder name



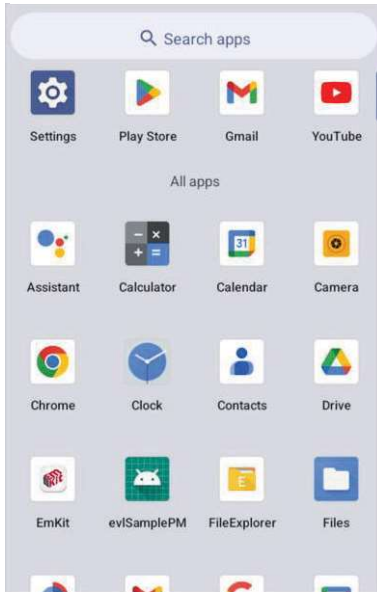
Learning the Basics

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 screen.

Figure 29 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 30 Add an app to Favorites tray



Learning the Basics

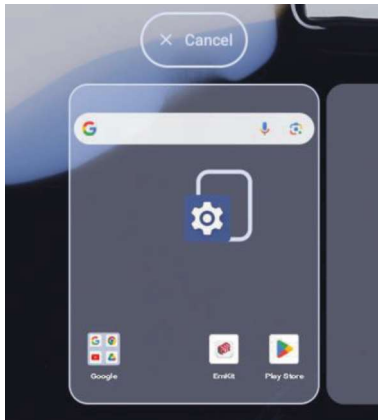
Organize app in Home screen

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.)

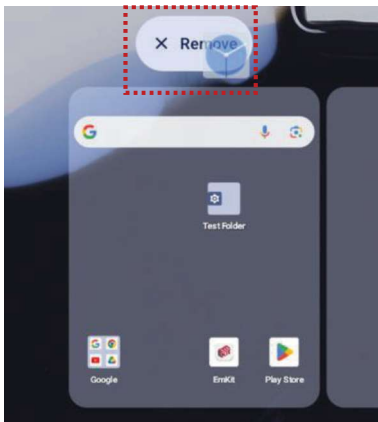
Figure 31 Place app in Home screen



To remove an app or widget in the Home screen,

1. Long-press an app icon or widget.
2. Drag it to **Remove** area and release.

Figure 32 Remove from Home screen



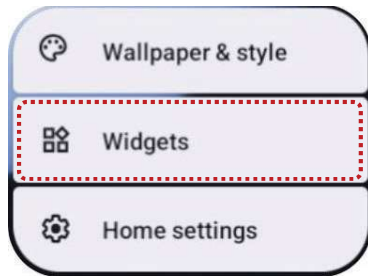
Learning the Basics

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 33 Widget menus



3. Among the list, tap and hold a widget you want to add.
4. Place the widget to the Home screen by dragging.

Learning the Basics

Call



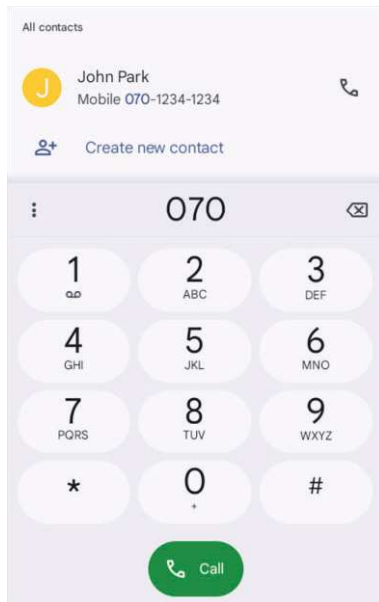
Note: Calling is only available on WWAN (LTE) SKU. And it requires a SIM card.

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

Making a call

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

Figure 34 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 35 Calling screen

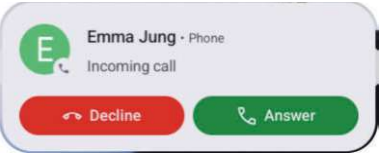


Icon	Function Name	Description
	Keypad	Open the keypad
	Mute	Mute microphone
	Speaker	Speakerphone mode
	(More) Hold	Hold the call
	(More) Video call	Convert the call to video call
	(More) Add call	Add another call (Enable when receiver answer the phone)

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 36 Receiving call



Learning the Basics

Contacts

Add a contact

Add a contact via dialer

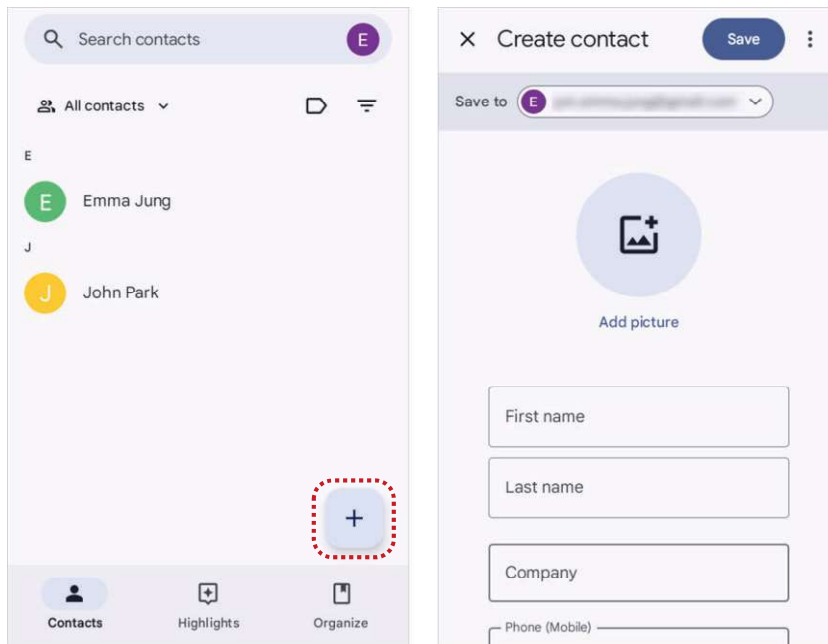
1. Navigate to dialer through Phone, and enter the number.
2. Tap **Create new contact** or **Add to a contact** to save the number.
3. Input additional information.
4. Tap **Save**.

Add a contact via contacts app

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

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

Figure 37 Add new contact via Contacts



Learning the Basics

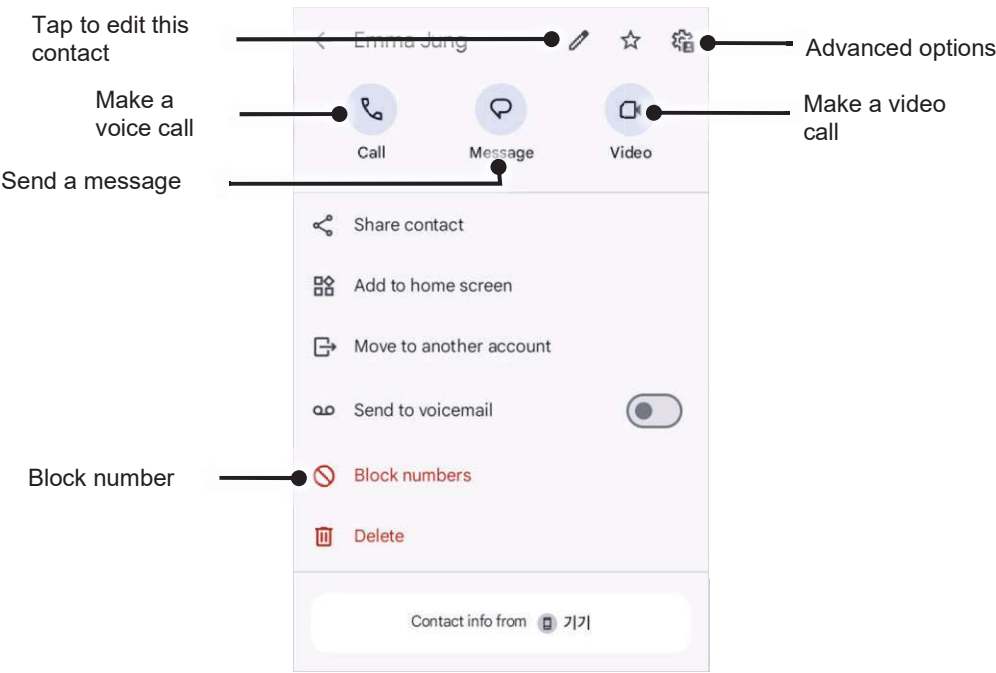


Contact detail

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

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

Figure 38 Contact detail



Learning the Basics

Message

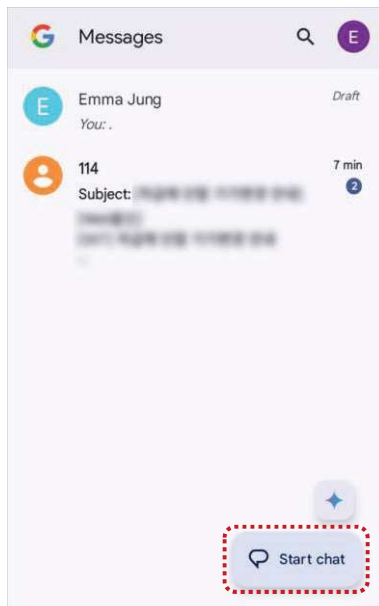


Note: Message feature is only available on WWAN (LTE) SKU. And it requires a SIM card.

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

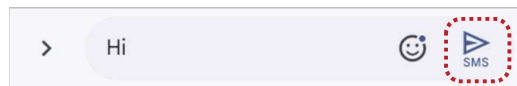
1. Launch **Message**  from App drawer.
2. Tap **Start Chat** and type the receiver's name or phone number.

Figure 39 Message list



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

Figure 40 Message send



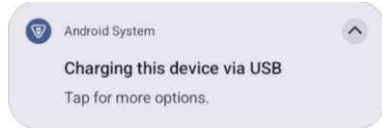
Learning the Basics

MTP Connection with PC

To transfer the files with a PC,

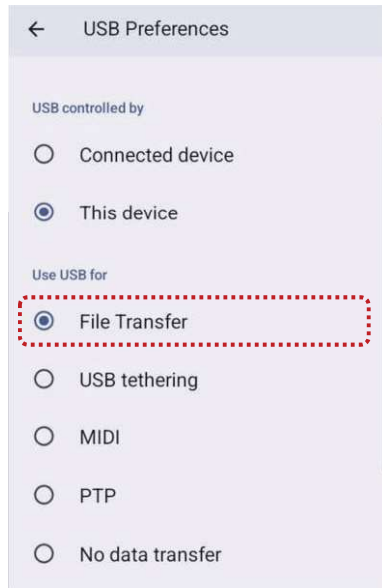
1. Connect the device to the PC via USB cable first.
2. Drag down Status bar and tap **Android System** notification to change USB preference option.

Figure 41 USB connection notification



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

Figure 42 USB Preferences



4. Now the PC can recognize the connected device. Find the PM68 device from the file explorer of the PC.

Figure 43 File explorer on PC

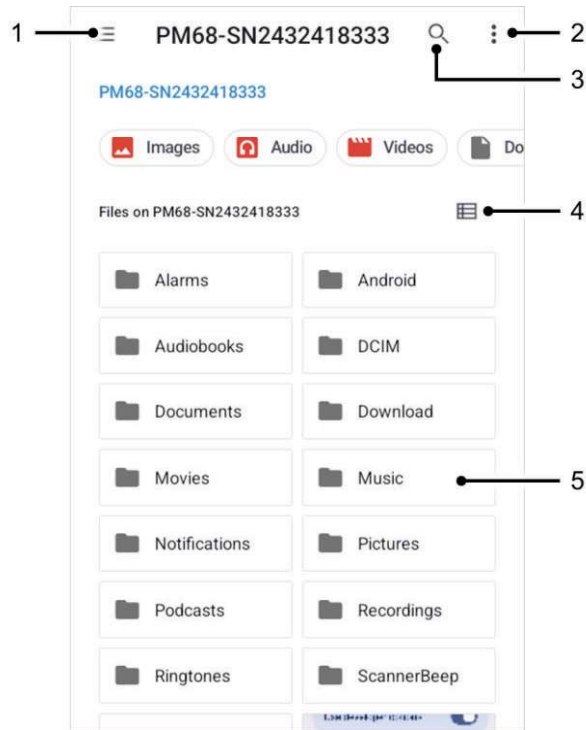


Learning the Basics

Manage the Files

Find the files stored in the device's storage and SD card using **FileExplorer** app.

Figure 44 FileExplorer main screen

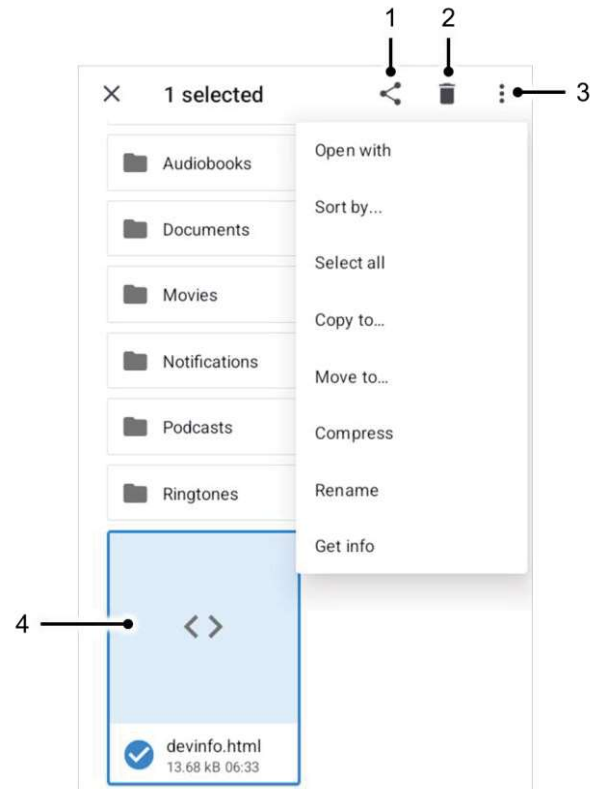


No	Description
1	Select media file type or storage
2	Open the advanced option – Create a new window or folder, Select all files and folders, etc.
3	Search a file
4	Change the view of file list
5	Tap a file or folder to open. Or long-press a file or folder to select

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 45 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 - Open with: Select which app to open the file - Sort by...: Sort the list by file name, size, type, etc. - Select / Deselect all: Select or Deselect 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