

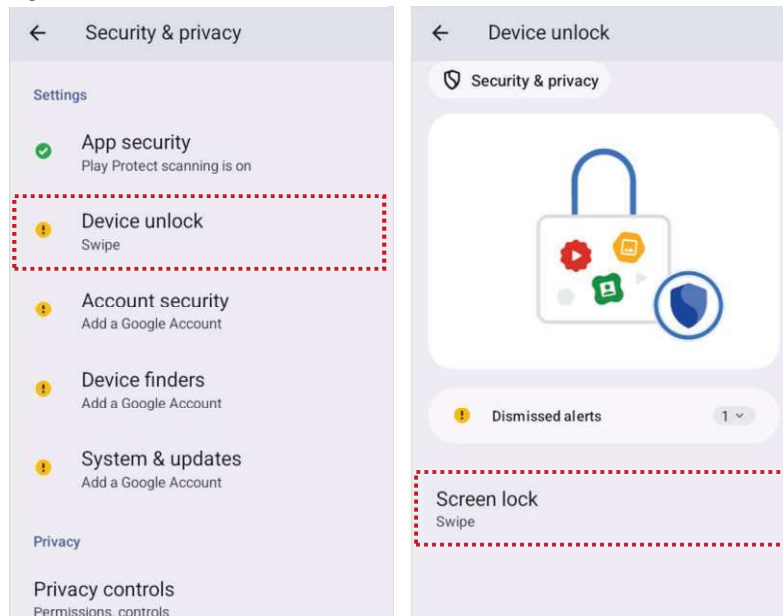
Learning the Basics

Lock the Screen

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

1. Navigate to **Settings**  > **Security & privacy**.
2. Select **Device unlock** > **Screen lock**.

Figure 46 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

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 47 Normal brightness level



Figure 48 High brightness level (higher than 80%)



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

Adjust sound


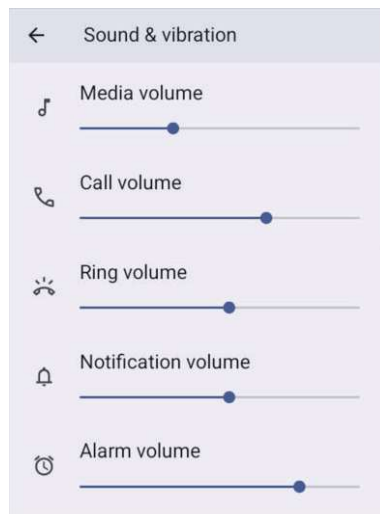
To adjust sound volume, go to **Settings**  > **Sound** and control the Media, Call, Ring, Notification, and Alarm volume bars.

Figure 49 Volume bars



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

Learning the Basics

Adjust display and text size

If the display and text size of the screen is too small or too large, adjust the size.


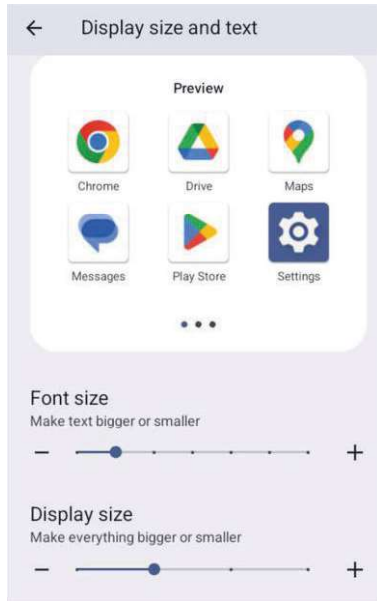
1. Go to **Settings**  > **Display** > **Display size and text**.
2. Referring to the **Preview**, set the font size.

Figure 50 Set display and text size



Use Keyboard Backlight

The buttons in the keypad may not be visible in the dark. For this inconvenience, PM68 provides the keyboard backlight option so that you can find the proper keys easily.

To use the keyboard backlight,


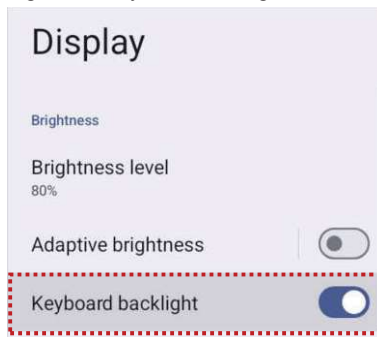
1. Go to **Settings**  > **Display**.
2. Tap **Keyboard backlight** switch.

Figure 51 Keyboard Backlight



Learning the Basics

Turn on screen by Lifting Device


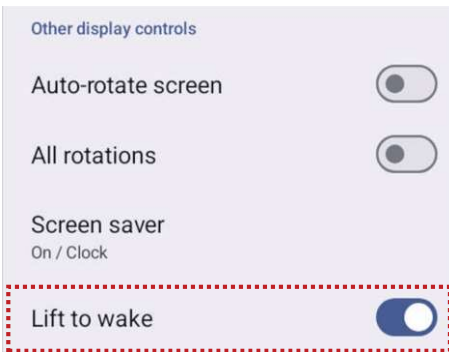
Lift the device up to turn on the screen. You can use this feature from **Settings**  > **Display**. Turn on the **Lift to wake** switch to use.

Figure 52 Life to wake






Using the Keypad







Keypad

Figure 53 Numeric keypad



Key	Description
Backspace <i>BKSP</i> 	Backspace function
Mode (Yellow) 	<p>Toggle key for Alphabet input mode.</p> <p>The characters shown on the keypad in yellow will be inputted in Alphabet input mode.</p> <p>Press once</p> <ul style="list-style-type: none">• Activates Uppercase Alphabet input mode• The A icon appears on status bar <p>Press twice</p> <ul style="list-style-type: none">• Activates Lowercase Alphabet input mode.• The a icon appears on status bar. <p>Press three times</p> <ul style="list-style-type: none">• Back to Numeric input mode.• The 1 icon appears on status bar
Scan <i>SCANNER_F</i> 	Scan the barcode





Using the Keypad

Key	Description
Function (Blue) 	Toggle key for blue function input mode. Press once <ul style="list-style-type: none"> Activates blue function input mode The Fn icon appears on status bar Press two times <ul style="list-style-type: none"> Back to last input mode.
Enter <i>ENTER</i> 	Enter function
Left / Up / Down / Right <i>DPAD_LEFT / UP / DOWN / RIGHT</i> 	In Default input mode <ul style="list-style-type: none"> Moves left / up / down / right In Function input mode <ul style="list-style-type: none"> Controls screen brightness or volume Refer to Functions section for more detail.
Numeric 0~9 / Function 1~9 <i>0~9 / F1~F9 / SPACE</i> 	In Default input mode <ul style="list-style-type: none"> Inputs 0 to 9 In Alphabet input mode <ul style="list-style-type: none"> (1~9) Inputs alphabet in uppercase or lowercase. In Functions input mode <ul style="list-style-type: none"> (1~9) Executes the function mapped to F1 to F9 (0) Space function (input blank)
Tab <i>TAB</i> 	Tab function
Period <i>PERIOD</i> 	In Default input mode <ul style="list-style-type: none"> Inputs a period In Blue functions input mode <ul style="list-style-type: none"> Input asterisk (*)

Using the Keypad


Use the Buttons

Functions

Function	Description	Key Combination
	Volume up	Fn + Up
	Volume down	Fn + Down
	Display brightness up	Fn + Left
	Display brightness down	Fn + Right

Screenshot

To take a screenshot, use one of the 3 ways as below.

- Press and hold **Power button + Down button** simultaneously.
- Press and hold the power button, and then tap **Screenshot** among the power menus.
- Tap the recent app button  below the screen, and tap **Screenshot**.

The screenshot image will be saved to **Pictures > Screenshots** folder in the internal storage.

Using the Keypad

Program Buttons

Some buttons on the PM68 can be optimized as you want. To map the button to other functions from default,


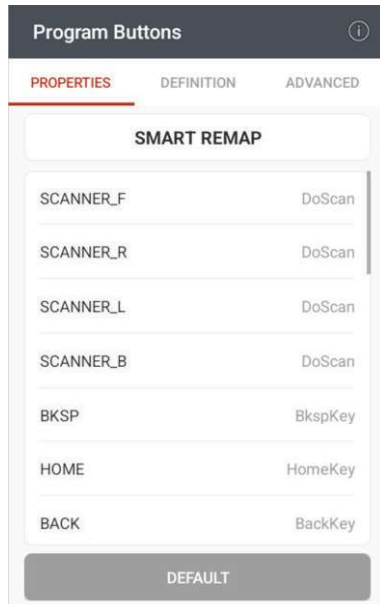
1. Navigate to **EmKit > Program Buttons** 
2. Tap **SMART REMAP**. And press a button you want to remap.

Figure 54 Program Buttons - button list



Note: SCANNER_B indicates the trigger button on the gun handle.

3. Choose a behavior you want to use among the tabs.
4. Tap **APPLY**.

Camera


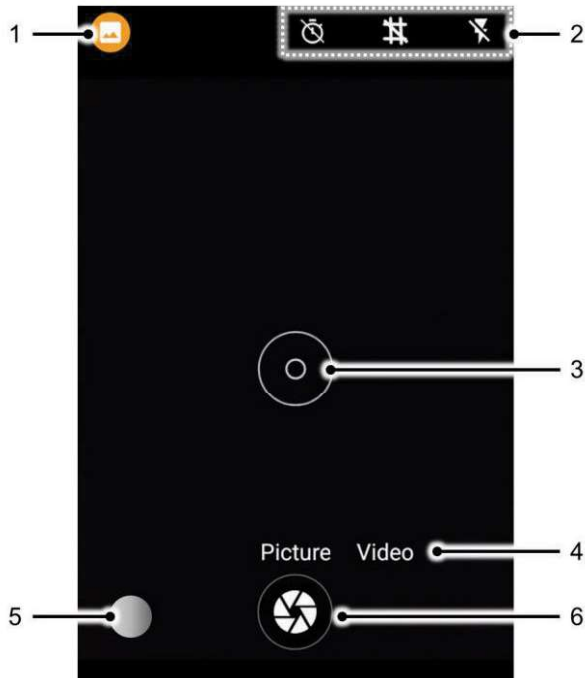



To use the camera, open App drawer and tap Camera application . Figure 55 is a main screen of Camera application.

Figure 55 Camera main screen




No	Name	Description
1	Modes	Select a mode depending on the target (normal / QR code)
2	Advanced camera option	 : Set timer (2 / 5 / 10 seconds)  : Display the grid on the screen  : Set flash mode (Activate / Deactivate / Auto mode)
3	Focus zone	You can change the focusing area by touching the other area
4	Picture / Video	Swipe or tap to change the mode (Picture / Video)
5	Gallery	Tap to see the recently taken pictures
6	Shutter button	Take a picture or recode a video

Scanner

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

Turn on / off the Scanner

The scanner is turned on by default. You can check the scanner status by the icon  on the status bar. If the icon displays, the scanner is turned on.

If the scanner is turned off, follow the steps turn it on.




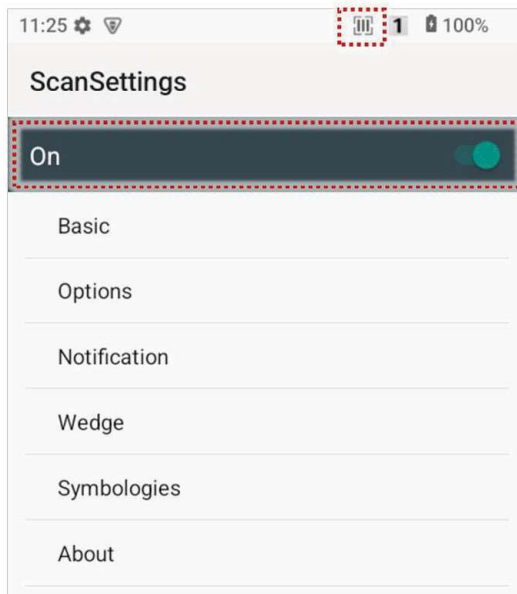
1. Go to **EmKit**  or **Settings**  and tap **ScanSettings**.
2. Tap toggle button to turn on/off the barcode scanner.
3. Check if the scanner icon  is placed on Status bar.

Figure 56 Turn on scanner



Scanner

ScanSettings

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

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

This chapter describes the key features of each menu.

Basic

Control the scanner's basic options and wedge mode, or configure the IP Send feature that sends the decoded data through the IP address.

1. Scanning

- Scan mode
 - Single scan: Scan a barcode by one triggering.
 - Multi scan: Scan multiple barcodes by one triggering.
 - Auto scan: Automatically activate scanning every specific time interval after first triggering.
 - Continuous scan: Scan barcodes continuously during a triggering.
- Trigger timeout: Set timeout that the trigger keeps turning on until a barcode is read.
- Touch scan: Use a scan button on the screen. You can place the button in any position you want on the screen.

2. Wedge mode

- Result type: Select the way to deliver the decoded data.
 - User Message: Deliver data using API in the SDK.
 - Keyboard Event (Multiple / Single): Deliver data using keyboard events like typing the keyboard.
 - Clipboard (KEYCODE_PASTE / Ctrl + V): Deliver data to clipboard and get by paste function.
 - Intent Broadcast: Deliver data using an intent pre-defined by Point Mobile.
 - Custom Intent: Deliver data using customized intent.
- Terminator: Select terminator on the end of the decoded data. (None / Space / Tab / LF / Tap & LF)
- Intercharacter delay: Set delay time between each character of the decoded data.
(Only available when the Result type is set as Keyboard Event (Single).)

Scanner

Options

Control the options related to the scan action and decoding.

- Center window: Scan the only barcode located near the center of the captured rectangle section.
- Clear Data: The newly decoded data will replace the existing data on the input field.
(Only available when the Result type is set as Keyboard Event or Clipboard types.)
- Aimer: Turn on or off the aimer.
- Illumination: Turn on or off the illumination (bright LED light).

Notification

Control the beep sound, LED and vibration option when scanning the barcode.

- Read fail: Enable or Disable the scan failed notifications.
- Beep: Control the beep sound indicating the scan results.
- LED: Turn on or off the device's LED indicator indicating the scan results.
- Vibrator: Control the vibration indicating the scan results.

Wedge

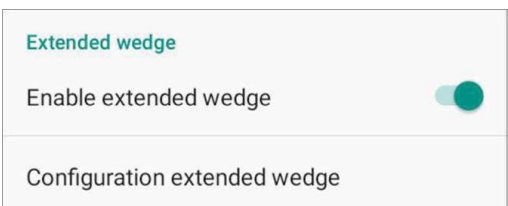
Set the Wedge settings

- Prefix: Set the prefix to be added in front of the decoded data.
- Suffix: Set the suffix to be added at the end of the decoded data.
- Extended Wedge

Extended wedge

PM68 supports Extended wedge that allows to manipulate the decoded data by custom rules. Tap **Enable extended wedge** toggle switch and then set a rule in **Configuration extended wedge**.

Figure 57 ScanSettings - Extended wedge

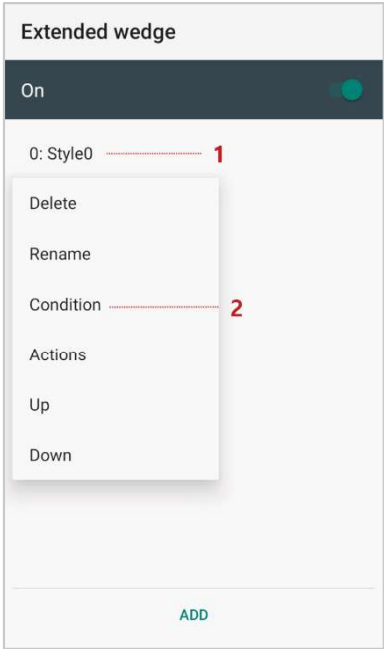


Scanner

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

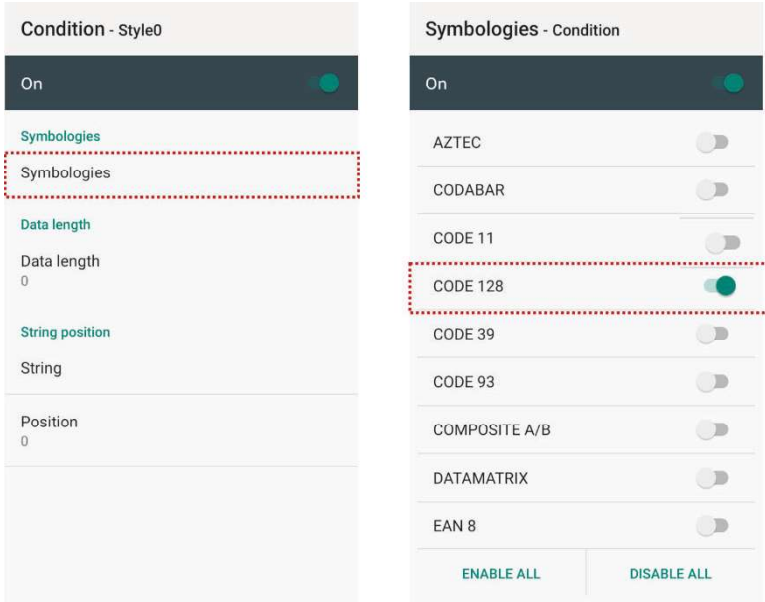
- 1. Tap **Style** (1) and select **Condition** (2).

Figure 58 Extended wedge example_1



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

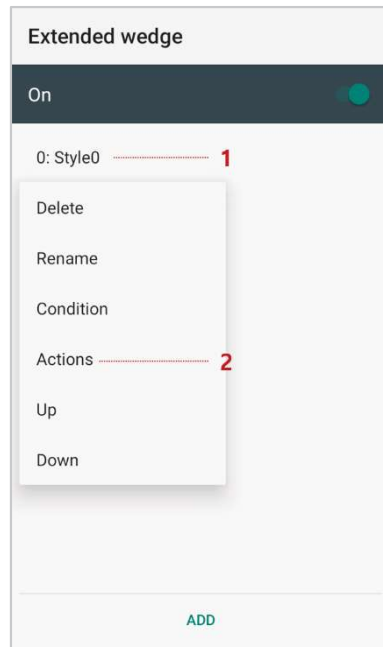
Figure 59 Extended wedge example_2



Scanner

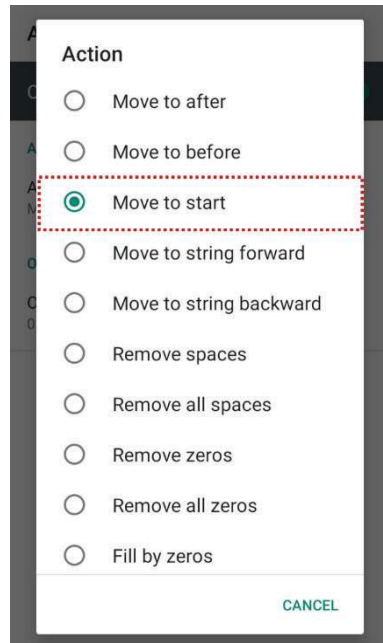
3. Tap **Style** (1) and select **Actions** (2).

Figure 60 Extended wedge example_3



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

Figure 61 Extended wedge example_4



Scanner

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

Figure 62 Extended wedge example_5

Action - Style0

On

Action

Send string

Order

Order

0

Value

Point Mobile

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

Before	After
<div><div>ScanDemo</div><div>Type : CODE 128</div><div>Result : ABC-abc-1234</div><div>Record : Success Count :: 1/1 Success Time :: 244 ms Avg Time :: 244 ms Min/Max Time :: 244 ms/244 ms</div><div><div><input type="checkbox"/> Continuous Scan</div><div><input type="checkbox"/> Save Log</div><div><input type="checkbox"/> Auto Scan</div><div><input checked="" type="checkbox"/> Beep Sound</div></div><div>Start scan</div></div>	<div><div>ScanDemo</div><div>Type : CODE 128</div><div>Result : Point MobileABC-abc-1234</div><div>Record : Success Count :: 1/1 Success Time :: 675 ms Avg Time :: 675 ms Min/Max Time :: 675 ms/675 ms</div><div><div><input type="checkbox"/> Continuous Scan</div><div><input type="checkbox"/> Save Log</div><div><input type="checkbox"/> Auto Scan</div><div><input checked="" type="checkbox"/> Beep Sound</div></div><div>Start scan</div></div>

Scanner

Symbologies

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

About

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

- Scanner type
- Scanner revision
- Scanner factory reset

Scanner

Scan a Barcode

Point the scanner at the barcode and press the scan button on the device or gun handle. If another button is set as scan trigger using Program buttons (Refer to [Use the Keypad – Program Buttons](#)), it can trigger the scan action, too.



Note:

If you set the single scan mode as Press decoding or Release decoding, it may require another button pressing mechanism to trigger scanning. Refer to [Single Scan Mode article](#) for more detail.

The aimer appearance depends on SKUs. There are two types of aimer, cross-hair laser type and green dot type.

Cross-hair type aimer

Center the cross-hair laser aimer over the barcode. You can tilt the aimer slightly for a comfortable angle to scan.

Figure 63 Aiming barcode (Cross-hair type)



Green dot type aimer

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

Figure 64 Aiming barcode (Green dot type)



Scanner

ScanDemo

Using ScanDemo app, demonstrate scanning feature.


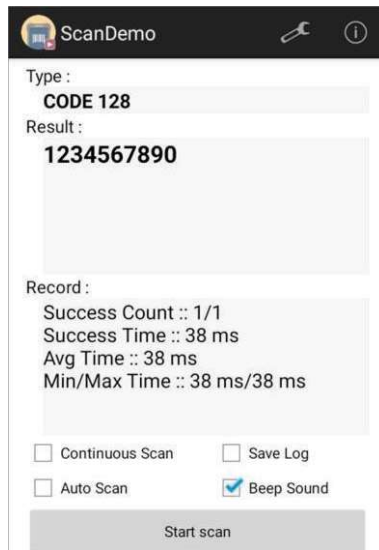
1. Execute **EmKit > ScanDemo** .
2. Scan a barcode by pressing the scan button on the device or tapping **Start scan** button on the screen.
3. Find scan result

Figure 65 ScanDemo



Data Communication

Mobile Network



Note: Mobile network is supported on PM68 WWAN (LTE) SKU only.

To connect mobile network, SIM card is required. Insert SIM card first referring [Install SD & SIM cards](#).

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

Figure 66 Mobile network icon




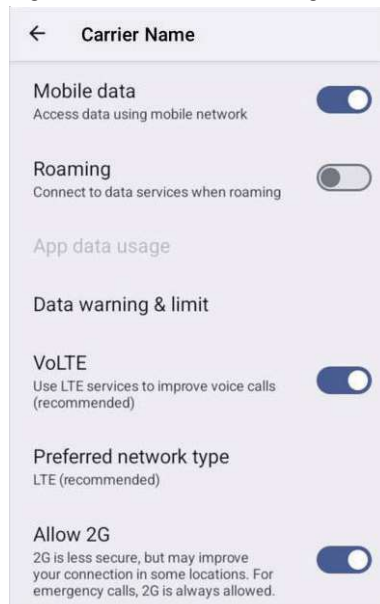
Find network information and adjust the network settings in **Settings**  > **Network & internet** > **Mobile network**.

Figure 67 Mobile network setting



Data Communication

Wi-Fi

To turn on and connect a Wi-Fi,


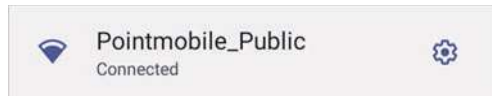
1. Go to **Settings**  > **Network & internet** > **Internet**.
2. Tap toggle button to enable Wi-Fi.
3. Device searches for nearby Wi-Fi signals and lists them in order of signal strength.
4. Select a Wi-Fi SSID to connect.
5. The message **Connected** under the SSID means the device complete to connect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

Figure 68 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 69 Open Wi-Fi Network

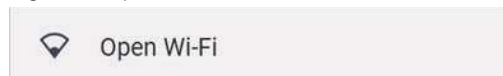
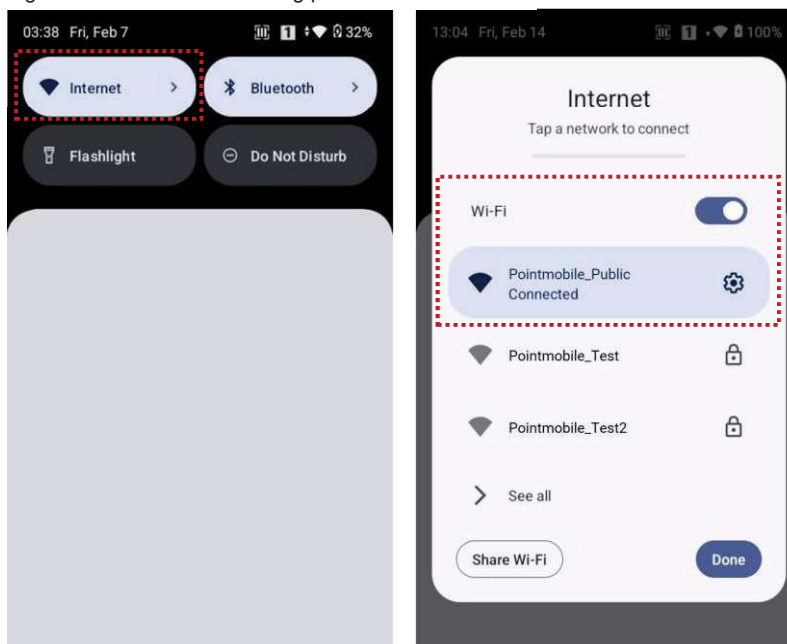


Figure 70 Secured Wi-Fi Network



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 71 Wi-Fi in Quick setting panel



Data Communication

Bluetooth

Turn on / off

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


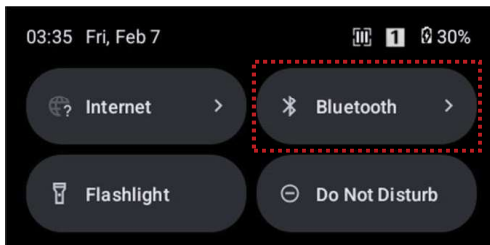
- Open quick setting panel and enable Bluetooth 

Figure 72 Bluetooth in Quick setting panel



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

Pair and Connect

To connect with a new device,


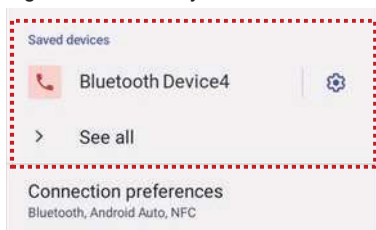
1. Go to **Settings**  > **Connected devices**.
2. Tap **Pair new device**.
(Bluetooth will be turned on automatically)
3. Select the device you want to pair among **Available devices** list.
4. Follow instructions on the screen (Pairing code or pairing confirmation dialog) and tap **PAIR**.
5. When the connection is succeeded, the connected device name is listed under the **Other devices** list.

Figure 73 Bluetooth currently connected




6. To connect a device previously connected, select the device name from the **Saved devices** list.

Figure 74 Previously connected devices



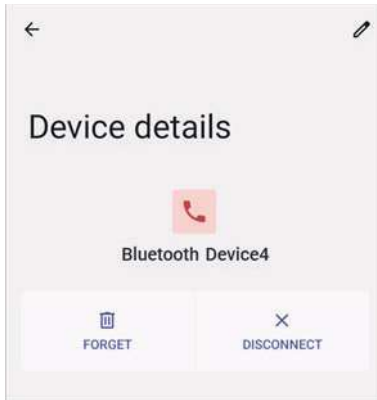
Data Communication

Unpair and Disconnect

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

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

Figure 75 Forget device



Change the Bluetooth device details


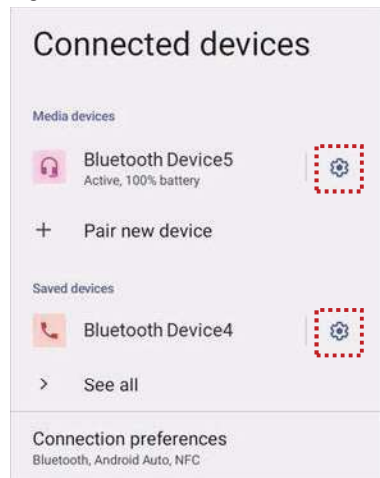

Tap the  icon next to the device name to see device details. If the device you want is not listed under the **Saved devices**, tap **See all**.

Figure 76 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)

Data Communication

NFC

PM68's NFC antenna is located on the rear-top side of the device. Bring the NFC tag close to the antenna location as Figure 78.

NFC feature is enabled by default. But if NFC does not work, make sure the NFC is enabled from the **Settings**

 > **Connected devices** > **Connection preferences** > **NFC**.

Figure 77 PM68 NFC tapping area

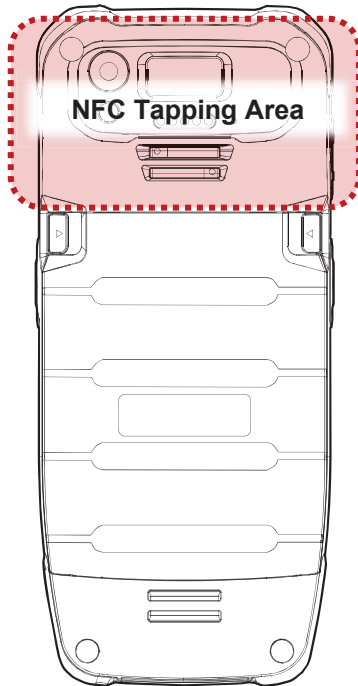
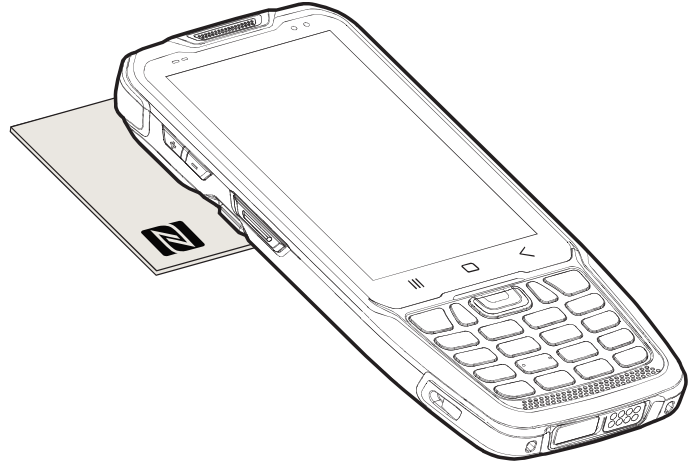


Figure 78 PM68 NFC tapping



RFID

PM68 can get RFID tag data through RF88 (sold separately).

PM68 and RF88 can be connected using Bluetooth or wire connection. And RFID Control app or custom application developed based on the Point Mobile's RFID SDK is required for the connection. You can download the RFID SDK and RFID Control app from [Service Portal](#).

If you want to install the PM68 onto the RFID reader, a PM68-dedicated sled bracket must be assembled on the RF88. Find more detail about connection and assembly from the RF88 User Manual.

System Maintenance

System Information

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

On Settings

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

- Device name
- Phone number
- Legal information & Certificates
- Model & SIM status
- Hostname
- IMEI
- Android version
- IP address
- Wi-Fi MAC address
- Bluetooth address
- Up time
- 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, 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.


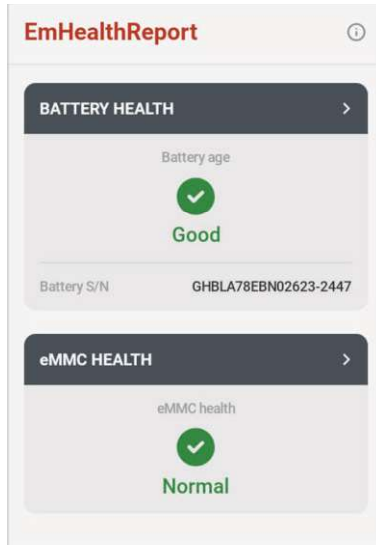
To use, open **EmKit** and launch **EmHealthReport** . You can see the simple device health information on the main screen. To find detailed information, tap each item.

Figure 79 EmHealthReport



- **Battery Health**
 - Battery serial number
 - Battery age
 - Battery level
 - Battery first use date
 - Battery voltage
 - Battery temperature
 - System temperature
 - Battery manufacture date
 - Smart charging

(Refer to [Smart Charging](#))
- **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.



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

OS update via storage

To update the OS using storage,


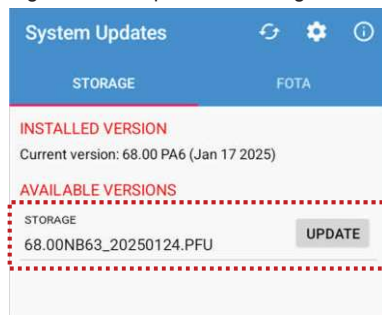
1. Download an OS image file into the root folder of microSD card or device internal storage.
2. (In case of using SD card) Insert SD card to the device and then turn the device on.
3. Go to **Settings**  > **System** > **System Update**.
4. Check if the OS image file shows up under **AVAILABLE VERSIONS**.

Figure 80 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.

OS update via OTG port

PM68 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 PM68.
4. Go to **Settings**  > **System** > **System Update**.
5. Check if the OS image file shows up under **AVAILABLE VERSIONS**.
6. Tap **UPDATE** to start the update process.

System Maintenance

OS update via FOTA

If PM68 can connect to a network, use the FOTA server for the update.


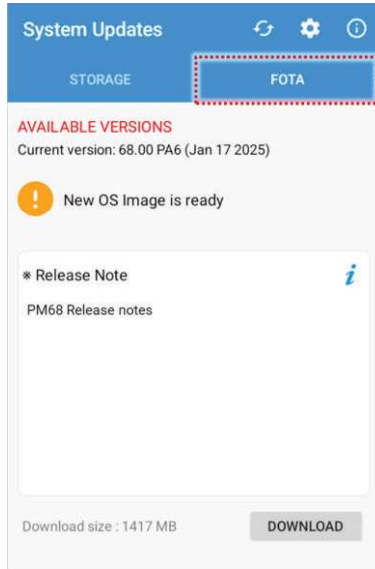
1. Connect the device to a network.
2. Go to **Settings**  > **System** > **System Update**.
3. Tap **FOTA** tab or Swipe left to move to **FOTA** tab.
4. If there is an OS version newer than device's one, the server shows the new OS information.

Figure 81 OS update via FOTA



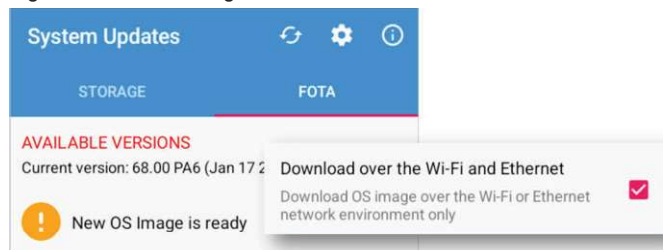
5. Tap **Download**.
6. Tap **OK** on the **OS Update** dialog to start to download the OS image file.
7. To complete the update, rebooting is required.

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 82 FOTA Settings



System Maintenance

Factory Data Reset


When PM68 operates abnormally or there is a need to reset the device, follow the steps below to perform a factory data reset.



Warning: 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.

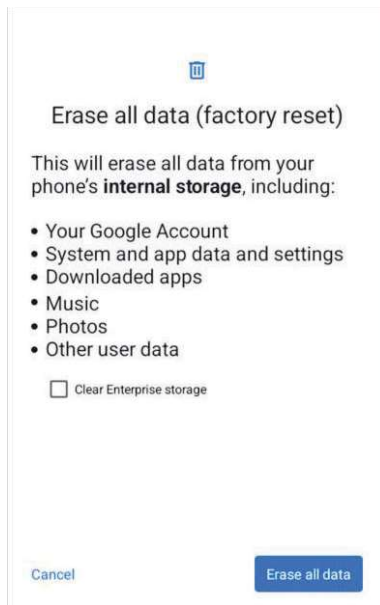
Factory data reset via Settings app

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

1. Navigate to **Settings**  > **System** > **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**.

If you select the **Clear Enterprise storage**, the enterprise storage will be reset, too.

Figure 83 Factory data reset



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

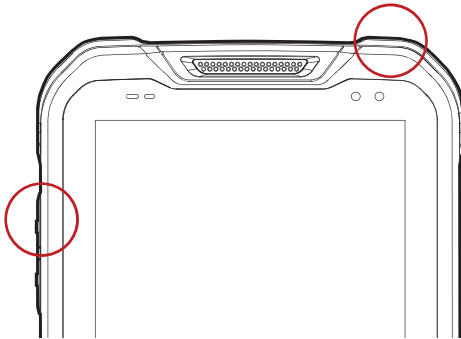
System Maintenance

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 + volume up** buttons simultaneously when the PM68 is turned off.

Figure 84 Key combination for recovery mode



2. After short vibration, release the power button.
3. Select the **Recovery Mode** using the volume buttons.
 - **Move** – Volume up
 - **Select the menu** – Volume down
4. Using the buttons below, select **Wipe data/factory reset**.
 - **Move up/down** – Volume up/down
 - **Select the menu** – Power button or Enter key
5. Select **Factory data reset**.
6. After wiping the data, select **Reboot system now**.

Accessories

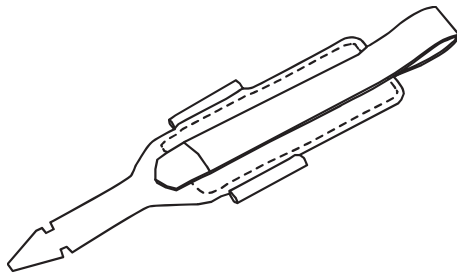
PM68 supports below accessories. All accessories except hand strap are sold separately.

Category	Accessory Name	Usage
Handy carry	Hand strap	Holds PM68 safe and easily
Protection case	Rugged boot	Protects PM68 from drop or damage
Sled type	Gun handle	Provides an ergonomic trigger button (Programmable button)
	RF88	Reading RFID tags
Charging cradle	SSCL (Single Slot Cradle Light)	Charges one PM68 device
	4SBC (4 Slot Battery Cradle)	Charges up to four pieces of PM68 batteries

Hand Strap

The hand strap is enclosed in the PM68 standard package. Attach the strap and you can hold the device firmly.

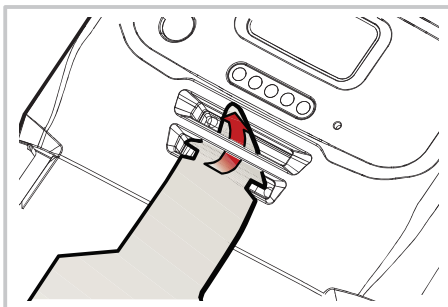
Figure 85 Hand strap



Attach hand strap

1. Using the arrow-like side of the strap through the hand strap hole on the bottom.

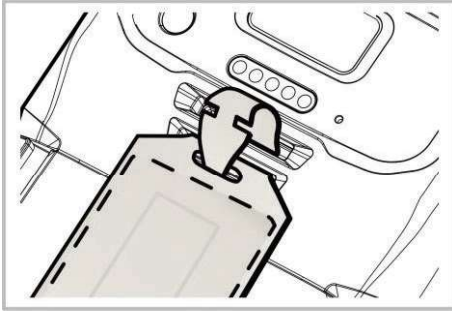
Figure 86 Attaching hand strap - 1



Accessories

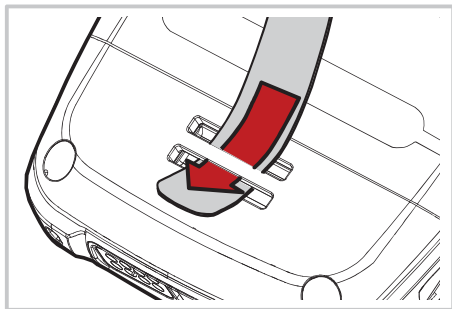
2. Insert the arrowhead into the small hole of the hand strap and pass it through the neck.

Figure 87 Attaching hand strap - 2



3. Thread the opposite side of the strap through another hand strap hole.

Figure 88 Attaching hand strap - 3



4. Pull the strap and attach the Velcro at the desired length.

Figure 89 Hand strap attached



Accessories

Rugged boot

To protect the device from damage such as drop or tumble, attach a rugged boot to PM68.

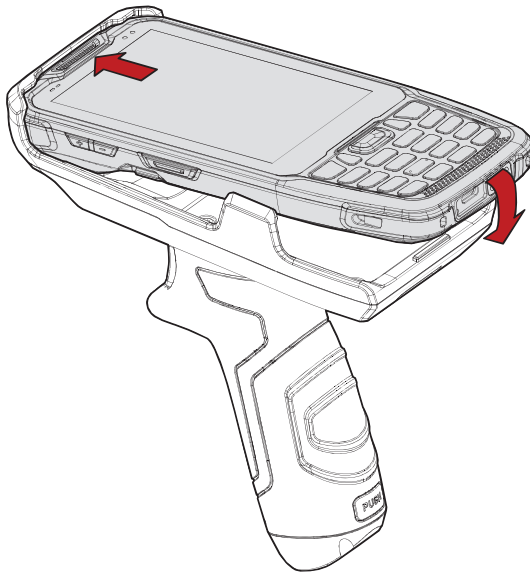
Gun Handle

Gun handle provides an additional programmable button, typically used to trigger the scanner. If you want to change the function mapped to the trigger button, access [Program Buttons](#) and set **SCANNER_B** to the desired function.

Attach gun handle

Attach PM68 to the gun handle from top side, and push the bottom firmly.

Figure 90 Attach PM68 to gun handle

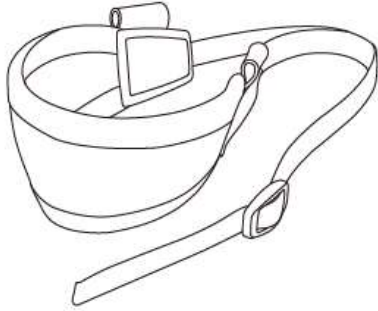


Accessories

Attach hand strap of gun handle

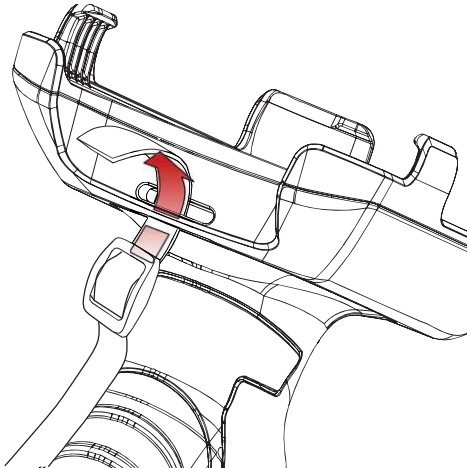
A hand strap is enclosed in the gun handle package. Attach the strap and carry the device more comfortably.

Figure 91 Gun handle - hand strap



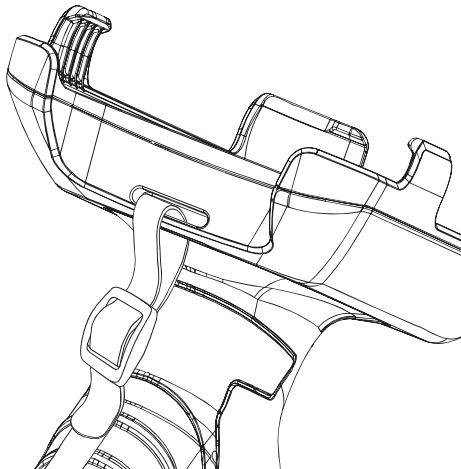
1. Thread the strap through the hole on the bottom side of the retention fixture.

Figure 92 Gun handle - Attach hand strap_1



2. Slide the strap through the buckle at the appropriate length.

Figure 93 Gun handle - Attach hand strap_2



Accessories

RF88 (RFID Sled)

PM68 can get RFID tag data through RF88. If you want to install the PM68 onto the RFID reader, a PM68-dedicated sled bracket must be assembled on the RF88 referring to the RF88 User Manual – Sled Bracket Replacement chapter.

For more detail, see RF88 User Manual.

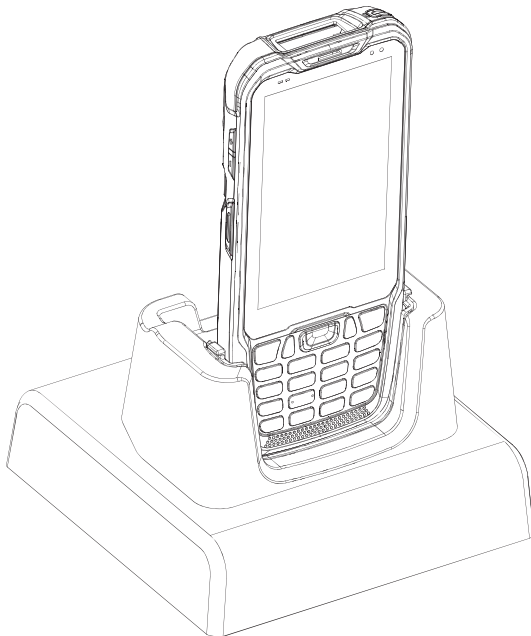
Charging cradle

Single Slot Cradle Light (SSCL)

SSC can charge the followings.

- PM68 only
- PM68 + Sled type accessory (gun handle or RF88) mounted

Figure 94 PM68 Single Slot Cradle Light (SSCL)



4SBC (4 Slot Battery Cradle)

4SBC has 4 battery slots so it can charge up to four pieces of PM68's battery simultaneously.

Safety Information

Battery Safety Information

Follow the battery safety guidelines for safe usage, storage, and disposal of Li-ion batteries. Improper battery use may result in a fire, explosion, or other critical hazards.

Battery Safety Guidelines

- Use only Point Mobile approved batteries and charging accessories. Other batteries and chargers may damage the device or result in a fire, leakage, or other hazards.
- Do not expose the battery to excessive heat or cold.
- Do not use or store the battery in or near areas that might get very hot, such as in a parked vehicle, near a heat duct or close to other heat sources.
- Do not allow objects that may cause a short circuit, such as metal objects, corrosive substances, or liquids like water, to contact the battery.
- Do not disassemble, crush, bend, shred, press, or other actions that may damage or deform the battery.
- Do not use or replace the battery on the go or from a high location. Dropping may result in an explosion or fire.
- Do not put any labels, stickers, tags, etc. on the device or battery. Performance of the device or battery, such as sealing, drop, or tumble, could be affected.
- Close supervision is necessary when used near children to avoid the risk of injury.
- If battery leakage is observed, avoid any contact with the skin or eyes and properly dispose of the battery. If contact has been made, wash the affected area with water for 15 minutes and seek medical advice.
- If you notice any type of damage to the battery, such as swelling, dents, and leaks, stop using it immediately and contact Point Mobile.

Battery Charging Guidelines

- Charge the battery in a clean, cool, dry, and ventilated environment.
- Separate the charger from the battery as soon as possible when the battery is fully charged.
- Battery performance can degrade due to the stress of daily charging and discharging. Batteries typically need to be replaced after 300 to 500 charging cycles (full charge-discharge cycles) or when the battery capacity has been reduced to 70 ~ 80% of its original capacity. The actual number of charging cycles varies based on usage patterns, temperature, age, and other factors.

Safety Information

Battery Storage / Disposal Guidelines

- Store the batteries in a clean, dry and ventilated environment within ambient temperature ranges of $20\pm5^{\circ}\text{C}$.
- For safety regulations, batteries are charged to below 20~30% of full capacity during production.
- When not using batteries for a long period, charge the battery for 30 minutes to 1 hour at least once every 6 months to prevent full discharge and keep the performance.
- Batteries should be stored separately when storing for long periods. Disconnect from any device, charger, or cradle.
- Dispose of used batteries promptly according to local disposal regulations.
- Do not dispose of the battery in fire. It may cause explosion.



Warning: The battery is consumable. Point Mobile provides a warranty for the battery for 12 months after purchase. If you suspect the battery swelling, change the battery immediately and contact Point Mobile.

Safety Information



www.sar-tick.com

Body-worn Operation

This device was tested for typical use with the back of the device kept 0.39 inches (1.0 cm) from the body.

To comply with FCC RF exposure requirements, a minimum separation distance of 0.39 inches (1.0 cm) must be maintained between the user's body and the back of the device.

Any belt-clips, holsters, and similar accessories containing metallic components may not be used.

Avoid the use of accessories that cannot maintain 0.39 inches (1.0 cm) distance between the user's body and the back of the device and have not been tested for compliance with FCC RF exposure limits

This device meets the government's requirements for exposure to radio waves.

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy. The exposure standard for wireless devices employs a unit of measurement known as Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/Kg



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.

Safety Information

FCC Warning

FCC part 15

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE Warning

RED Declaration of Conformity

POINT MOBILE Co., Ltd. hereby declares that this GSM / GPRS / EDGE / UMTS / LTE Digital Mobile Computer with Bluetooth and Wi-Fi PM68 is in compliance with the essential requirements and other relevant provisions of the RE Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.pointmobile.com>

RF Exposure Information (SAR)

This device is in compliance with Specific Absorption Rate (SAR) limits for general population/uncontrolled exposure (Localized 10-gram SAR for head and trunk, limit: 2.0W/kg) specified in Council Recommendation 1999/519/EC, ICNIRP Guidelines, and RED (Directive 2014/53/EU).

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands and placed in positions that simulate RF exposure during use against the head with no separation and near the body with a separation of 5 mm.

SAR compliance for body operation is based on a separation distance of 5 mm between the unit and the human body. This device should be carried at least 5 mm away from the body to ensure RF exposure level is compliant or lower than the reported level. When attaching the device near the body, a belt clip or holster should be used which does not contain metallic components and allows a separation of at least 5 mm to be maintained between

Safety Information

the device and the body. RF exposure compliance was not tested or certified with any accessory containing metal worn on the body, and use of such an accessory should be avoided.

Certification Information (Highest SAR)

- SAR 10 g limit: 2.0 W/Kg,
- SAR Value: Head: 0.637 W/Kg, Body: 1.572W/Kg (5 mm distance).
-

Legal Information

Observe national and local regulations where the device is used.

This device is restricted to indoor use only when operating in the 5250 to 5350 MHz frequency range in:

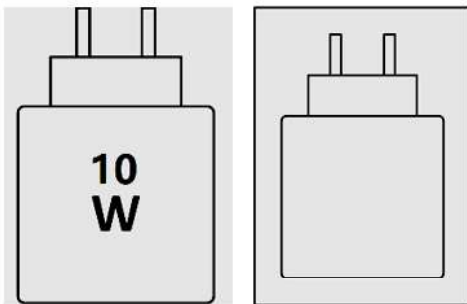
CH	SI	SK	IS	AT	BE	BG	HR	CY	CZ	DK	
PT	ES	TR	LI	EE	FI	FR	DE	EL	HU	IE	
RO	SE	PL	NO	IT	LV	LT	LU	MT	NL	UK(NI)	

Frequency Bands and Power

This Mobile Computer offers the following frequency bands in EU areas only and maximum radio-frequency power:

- GSM 900: 35.5 dBm
- GSM 1800: 32.5 dBm
- WCDMA band 1/8: 25.7 dBm
- LTE band 1/3/7/8/20/40/41 : 25.7 dBm
- Bluetooth: 20 dBm
- Wi-Fi 2.4 GHz band: 20 dBm
- Wi-Fi 5 GHz: 5150 to 5250MHz: 23 dBm, 5250 to 5350 MHz: 20 dBm, 5470 to 5725 MHz: 20 dBm, 5725 to 5850 MHz: 14 dBm
- NFC: 13.56 MHz < 42 dBuA/m at 10m

Common charger warning



PM68: The maximum charging power of the product is 10 Watts (5V \Rightarrow 2A).

Safety Information

E-Label

Users can able to access the FCC/MIC information in 3 steps in device's menu. The actual steps are : →
Settings -> >About device -> Certificates



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