



# User Manual PM90

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trademarks of Google LLC.

Please note your phone is battery-embedded design with removable battery and battery cover. Unauthorized personnel are strictly prohibited from disassembling the phone. Make sure to use only the power adapter (5V 2A Output AC/DC) that came with PM90.

In case your phone does not work as expected, you are strongly recommended to restart it by pressing and holding the power button for at least 12 seconds until the startup screen appears. If your phone has encountered a serious error and cannot be recovered, you should reset your phone to factory settings by using the menu, either "Backup & Reset", or "Factory Reset". For more details, please refer to "Factory data reset" section on page 32.



**Note:** Please be cautious while performing the factory data reset.

Because this will erase personalized settings and data saved in your phone, such as SMS, Contacts, Music, etc.



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

### Body-worn Operation

This device was tested for typical bodyworn operations with the Front & back of the device kept 0.59 inches (1.5cm) between the user's body and the Front & back of the device. To comply with FCC RF exposure requirements, a minimum separation distance of 0.59 inches (1.5cm) must be maintained between the user's body and the Front & back of the device. Any beltclips, holsters, and similar accessories containing metallic components may not be used. Body-worn accessories that cannot maintain 0.59 inches (1.5cm) separation distance between the user's body and the Front & back of the device, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.



### PROTECT YOUR HEARING

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

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# 1 Major Parts



1	Display, Touch panel	9	Power button
2	Receiver	10	Earphone cover
3	Front camera	11	Rear camera
4	Buttons	12	Speaker
5	Scan window	13	Battery cover
6	Volume button	14	Battery cover locker
7	Left scan button	15	USB port cover
8	Right scan button	16	Charging cradle connector

## 2 Accessory

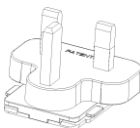
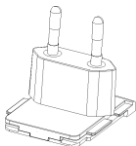
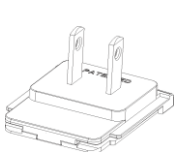
5V 2.0AAC/DCAdapter



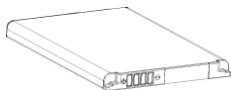
Micro USB C Type Cable



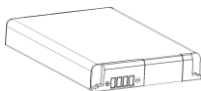
AC plug (US/EU/UK)



Battery (2900mAh)



Battery (5800mAh)



Stylus



Wrist landyard



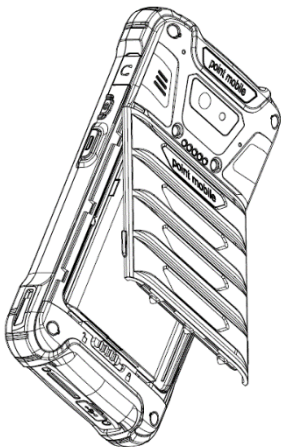
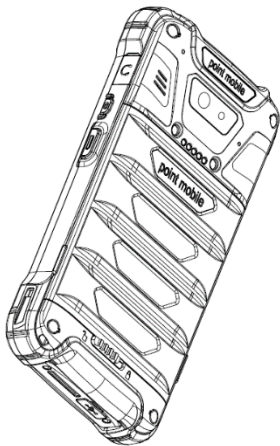
LCD protection film



## 3 Setup PM90

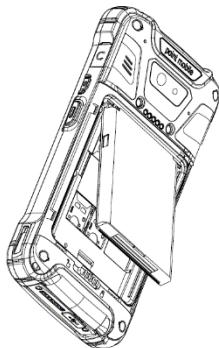
### 2.1 Remove the BatteryCover

1. Slide the Battery locker.
2. Lift up the Battery Cover.



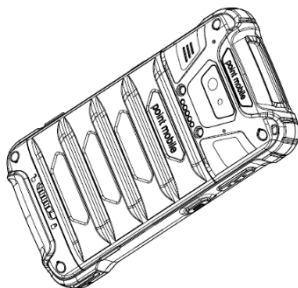
## 2.2 Insert the Battery

Insert "Battery" from top area.



## 2.3 Close the Battery Cover

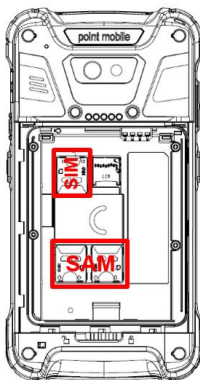
Insert "Battery Cover" from top area first and then put in bottom area. Press battery cover with both hand firmly.



## 2.4 Insert and Remove the SIM-SAM card

You must insert your SIM card to make phone calls. Please power off your phone before inserting or removing the SIM card.

1. Remove the Battery Cover and the Battery.
2. Lift up the SIM rubber.
3. Insert the SIM-SAM card into the slot. (Gold plate should face down). Make sure that it is correctly inserted.
4. To remove the card, repeat step1 and step2, then remove the card out of the slot.

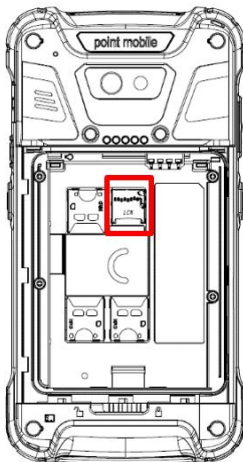


**Note:** Your device only supports SIM cards. Do not attempt to insert other SIM types such as "Micro" and "Nano" SIM card, this may cause damage to your device. If you have to use different SIM card types, please use "SIM adaptor".



## 2.5 Install and Remove the microSD card

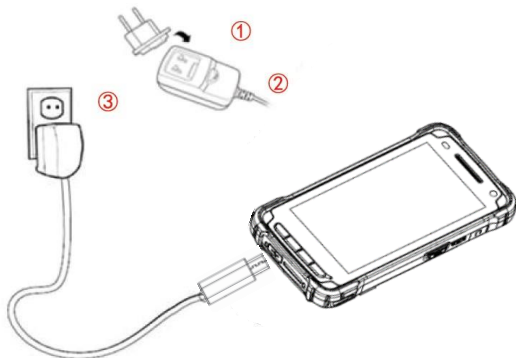
1. Remove the Battery Cover and the Battery.
2. Lift up the SIM rubber.
3. Insert the microSD card into the slot (Gold plate should face down).
4. To remove the microSD card, repeat step1 and step2, then remove the card out of the slot.



**Note:** To avoid data loss and SD card damage, please power off your phone before inserting or removing the SD card.

### 3 Charge PM90

1. Connect the AC/DC adaptor to your device and wall socket respectively.



2. LED indicator will display charging status.

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

#### PM90 Battery Specification

Standard Battery	2,900mAh 3.85V
Backup Battery	5,800mAh 3.85V
Charging time	About 5 hours



**Note:** Always use an original charger and cable from the Point Mobile. Other chargers and cables may damage PM90. In addition, make sure connector, charger, cables are not wet.

## 4 Turn On/Off PM90

### Turn On

1. Press and hold down the "Power Key" for a few seconds.
2. When PM90 enter to the boot mode, it will display "SMART BEYOND RUGGED" logo with short vibration.
3. Release the "Power Key" and wait until PM90 finish booting.



**Note:** If you cannot turn on your PM90, try below steps:

- To turn on PM90, battery needs to be charged certain level. Please charge first.
- Press and hold the "Power key" for 12 seconds to force reboot.

### Turn Off

1. Press and hold the "Power Key" until you see the power menu.
2. Among the menu, tap "Power off".

## FCC warning

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.

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 expressly approved by the party responsible for compliance could void your authority to operate the equipment.

## IC warning

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même

si le brouillage est susceptible d'en compromettre le fonctionnement.

This device is restricted to indoor use only within the 5.15 ~ 5.35GHz Band.  
Cet appareil est restreint à l'utilisation à l'intérieur seulement dans la bande 5.15 ~ 5.35GHz.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC/IC.

Cet équipement est conforme aux limites d'exposition aux radiations FCC / IC définies pour un environnement non contrôlé. Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, à moins d'être autorisé à le faire par le FCC / IC.

## E-label (FCC ID & IC, etc)

Users can be able to access the FCC/IC information in 3 steps in device's menu. The actual steps are :

- Settings -> About phone -> Certificates

WCDMA/LTE feature is optional

Some product options only include WLAN feature.

	WLAN	PHONE
FCC ID	V2X-PM90G1	V2X-PM90W1
IC ID	10664A-PM90G1	10664A-PM90W1