

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 PM85.

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.

SAR

www.sar-tick.com

Body-worn Operation

This device was tested for typical bodyworn operations with the Front & back of the device kept 0.39 inches (1cm) between the user's body and the Front & back of the device. To comply with FCC RF exposure requirements, a minimum separation distance of 0.39 inches (1cm) 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 0.39 inches (1cm) 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 Getting Started

1.1 Major Parts





1	Front cover	11	Battery locker
2	Front deco receiver	12	Power button
3	Front camera	13	Volume button
4	Front deco speaker	14	Scan button
5	Touch screen	15	Sos button
6	Keypad	16	Scan window
7	Keypad pad	17	Camera window
8	Function deco	18	Flash window
9	Rear housing	19	Cap screw
10	Battery cover	20	Hand strap

1.2 Accessory

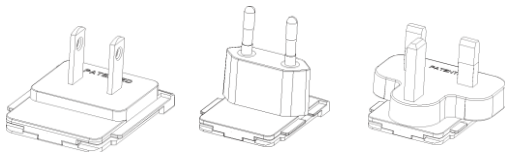
5V2.0AAC/DCAdapter



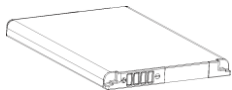
Micro USB C Type Cable



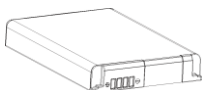
AC plug (US/EU/UK)



Battery (2900mAh)



Battery (5800mAh)



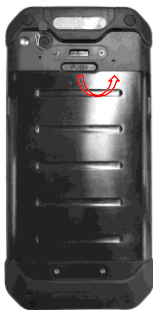
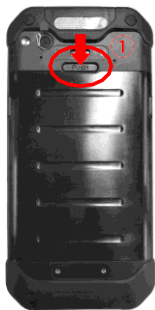
Hand Strap



1.3 Setup PM85

1.3.1 Remove the Battery Cover

1. Push down the Battery locker.
2. Lift up the Battery Cover.
3. Remove the Battery Cover.



1.3.2 Insert the Battery

Insert "Battery" from top area first and then put in top area.



1.3.3 Close the Battery Cover

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



1.3.4 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".

1.3.5 Install and Remove the microSD card

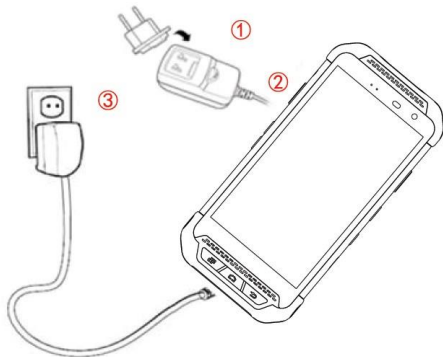
1. Remove the Battery Cover and the Battery.
2. Lift up the SIM rubber.
3. Insert the microSD card into the slot (Gold plate should face down).
4. To remove the microSD card, repeat step1 and step2, then remove the card out of the slot.



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

1.4 Charge PM85

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

PM85 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 PM85. In addition, make sure connector, charger, cables are not wet.

1.5 Turn On/Off PM85

Turn On

1. Press and hold down the "Power Key" for a few seconds.
2. When PM85 enter to the boot mode, it will display "SMART BEYOND RUGGED" logo with short vibration.
3. Release the "Power Key" and wait until PM85 finish booting.



Note: If you cannot turn on your PM85, try below steps:

- To turn on PM85, 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".

2 Learning the basics

2.1 Use a keypad

Power key



Press

- Lock the screen / Light up the screen.

Press and hold

- Display the power menu "Power off / Restart".

Press and hold for over 12seconds

- Forced to reboot.

Press and hold the "Power" key and "Volume Down" key together

- Screen capture.

Volume keys



In general

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



In call mode

- Adjusts the earpiece or headset volume.

In Music / Video / Streaming

- Adjusts the media volume.

In camera preview

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

2.2 Using a keypad

Front panel



Recent Apps key

- Press to see recently used apps.

Home key

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

Back key

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

2.3 Use a touch screen



Touch

One-finger press



Double touch

One-finger press, lift, one-finger press, lift for "Zoom in"



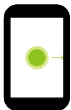
Long press

One-finger press, wait, lift for "Select an item"



Drag, Swipe, or Fling

One-finger press, move, lift for "Scroll" or "Tilt"



Long-press drag

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



Scroll

Vertical or horizontal swipe in a single direction



Pinch Open & Close

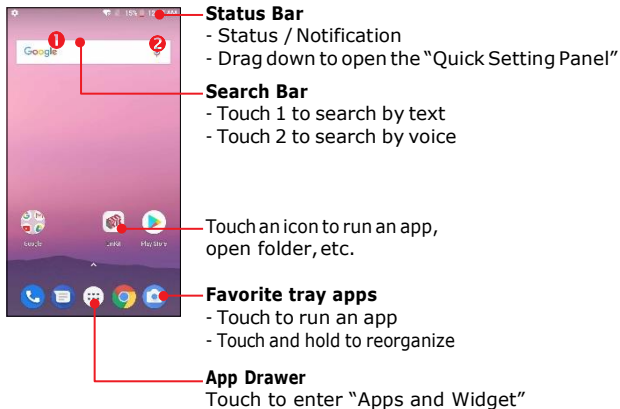
Two-finger press, move outwards and inwards, lift for "Zoom in and out"



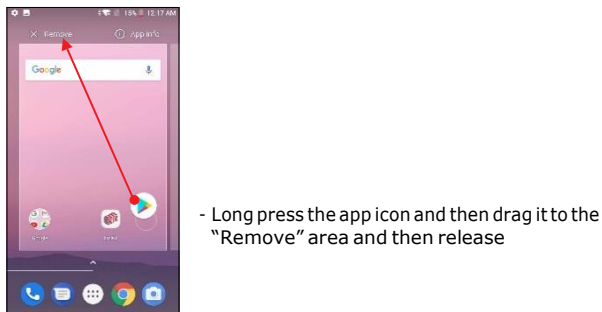
Rotate

When PM85 is turning sideways, screen orientation is changing

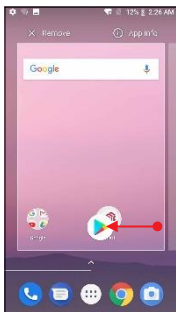
2.4 Home Screen, Apps and Widget



Remove the app icon from home screen



Create "App Folder"



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

Notification panel

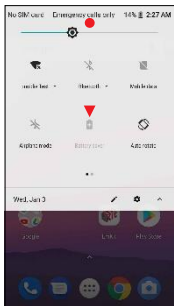
When there are notifications from the Android (system) or the App, you can check details by drag down the "Status Bar".




Quick setting panel

You can access “Quick setting panel” by drag down the “Notification panel”.

You can enable / disable functions or change modes easily.



By touching the “App drawer”  icon, all installed apps are listed in the tab, alphabetically.



- Tap app icon to run.

- Long press, specific app icon to place to the “Home Screen”.














All available widgets are listed in the "Widgets" tab, alphabetically.
















- On the home screen, touch and hold an empty area of the screen.
- Touch "WIDGETS".
- Long press, specific widget to place to the "Home Screen".














2.5 Status & Notifications Icons

Status icons

	GPRS connected		GPRS in use
	EDGE connected		EDGE in use
	3G connected		3G in use
	4G connected		4G in use
	Signal strength		No signal
	Roaming		Airplane mode
	No SIM card installed		

	Bluetooth is on		Connected to a Bluetooth device
	Battery is full		Battery is partially drained
	Battery is low		Battery is very low
	Battery is charging		
	GPS is on		Alarm is set
	Speaker phone is on		Headset connected
	Vibrate mode/ Mute		Phone mic is mute

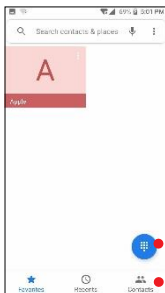
Notification icons

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

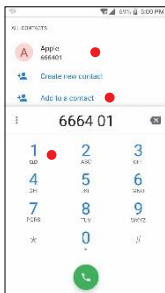
2.6 Make a call

Touch  icon in the Favorite tray apps.

Slide to access the "Favorites", "Recents" and "Contacts".



- Touch to use a dialer
- To make a call from recent call list or missed call, select "Recents" tab
- To make a call from your contact list, select "Contracts"






- Suggested phone number(s)
- Phone number can be saved to "CONTACTS"
- Touch and hold the dial pad # 1, to access voicemail.

Answer or dismiss a call

1. If your device is unlocked, in the call notification window, tap **ANSWER** or **DECLINE**.



2. If your device is locked .



- Swipe up  to answer a call.
- Swipe down  to reject a call.
- Touch  to reject the call and send a preset message to the caller.

3. When **Settings > Accessibility > Power button ends call** is turned on, press the **Power** key to dismiss the call.



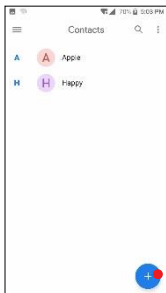
Tip: To mute the ringtone volume of an incoming call, press the "Volume down" key.

2.7 Add to a contact

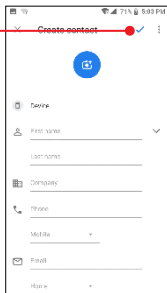
Touch  "App Drawer" icon and then  icon .

CREATE A NEW CONTACT

You can manually create the new contact.



Touch to save the contact



Touch to add a new contact


SIGN IN TO AN ACCOUNT


You can sync with your contacts in the Google account.

IMPORT CONTACTS

You can import contact in the storage (.vcf file) or SIM card.

2.8 Send a message

Touch  icon in the Favorite tray apps.

Touch  icon to edit a new message.



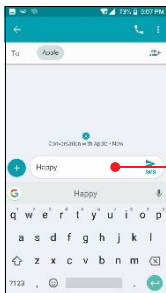


Touch to use a dialer

Touch to type a name, phone number or email

Suggest contact display here.

Touch "Contacts" to compose a message



Your message display here



Touch to send the composed message

You can attach photo, saved picture, voice or location

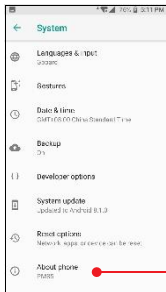


Note: You may allow granting "Message App" access specific app or service.

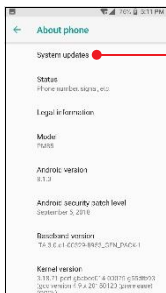
3 OS Update

3.1 OS Image update from a Storage

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

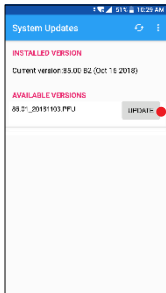


Touch  "App Drawer" -  "Settings" - "System" and then "About phone"

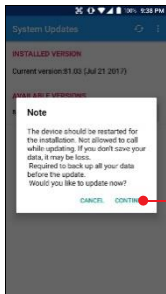


Touch "System Updates"

Your PM85 will check storage and display available OS image.

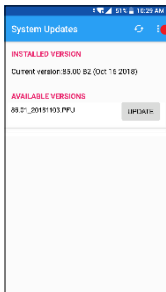



Touch "Update" button



By touching the "CONTINUE" button, your PM85 start to update the OS image. During this time, you cannot use your PM85. Please save the data before start, the OS update process.

3.2 OS Image update from the FOTA

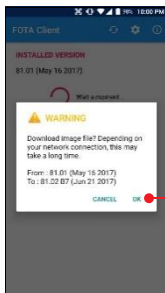


Tap  icon for the advanced option

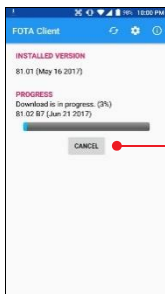


Touch "FOTA Client"

PM85 will compare the OS image between FOTA server and current OS image. If there is newer OS image in the FOTA server, FOTA server will suggest downloading.



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



You can cancel OS image download process

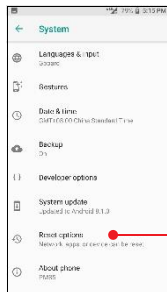




Note: Default OS image download setting of FOTA Client is "Download over Wi-Fi only". Please connect to the nearby Wi-Fi network for FOTA service.

4 Factory data reset

4.1 Factory data reset from Settings

When your PM85 system is unstable and abnormal behavior occur but could not recover by rebooting, you may need to "Factory data reset" your PM85.

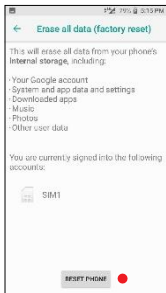


Touch  "App Drawer" -  "Settings" and then "Resetoptions"



Touch "Erase all data (factory reset)"

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



· Touch to start “RESET PHONE” process



· Touch to confirm erase of “ERASE EVERYTHING”

4.2 Factory data Reset

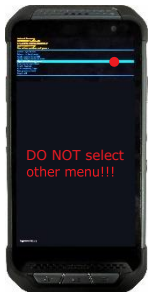
Force Factory data reset your PM85



You can perform "force" factory data reset your PM85. When your PM85 turned off, press "Power" + "Volume up" + "Home" button all together. After short vibration from your PM85, you may release the buttons.



PM85 enter to the "Android Recovery" mode. In this mode, "Volume up" is "Move Up" in the menu tree and "Volume down" is "Move Down" in the menu tree. "Power Button" is "Select".



Select "Wipe data/factory reset"



Select "Yes" to perform the "Factory data reset".
After that, your PM85 start wiping the data.



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

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, including 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 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-PM85W	V2X-PM85G
IC ID	10664A-PM85W	10664A-PM85G