



USER MANUAL

Elo Touch Solutions Elo Mobile Computer M51/M51C



■ REVISION HISTORY

Revision	Eng.	Date	Description
1	Richard Drury	9/10/24	Initial Release
2	Rey Liu	11/14/2024	Update the contents
3	Rey Liu	11/27/2024	1. Correct the typo 2. Add the battery swap
A	Rey Liu	12/5/2024	Rev A release

Copyright © 2024 Elo Touch Solutions, Inc. All Rights Reserved.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, including, but not limited to, electronic, magnetic, optical, chemical, manual, or otherwise without prior written permission of Elo Touch Solutions, Inc.

Disclaimer

The information in this document is subject to change without notice. Elo Touch Solutions, Inc., and its Affiliates (collectively "Elo") makes no representations or warranties with respect to the contents herein, and specifically disclaims any implied warranties of merchantability or fitness for a particular purpose. Elo reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of Elo to notify any person of such revisions or changes.

Trademark Acknowledgments

Elo, Elo (logo), Elo Touch, Elo Touch Solutions, EloView, are trademarks of Elo and its Affiliates.

Contents

- Section 1: Introduction 11**
 - Product Description..... 11
 - Overview – Specifications 11
 - Features: Elo Mobile Computer M51/M51C..... 13

- Section 2: Getting Started 14**
 - Unpacking..... 14
 - Battery Safety Precautions 14
 - Battery Installation 15
 - Battery Un-installation..... 16
 - Micro SD & Nano Sim Card Installation 16
 - Charging System & Power 19
 - Charging the M51 through USB type C Port 19
 - Charging Safety Features 19
 - Battery Status / Descriptions 19
 - Power Button..... 20
 - Power LED Status 20
 - Power / Function Buttons Features and Gestures 21
 - Power button On-Screen display menu features..... 21
 - Gestures..... 22
 - Status Bar Icons and Definition..... 23
 - About Touch Gestures 24

Out of Box Experience (OOBE).....	25
Elo Home Screen	26
Notifications	27
Elo View Quick Settings.....	28
Lock and Home Screens.....	29
Application Drawer	30
Customize and add a shortcut to the Home Screen.	31



Section 3: System Settings 34



Network & Internet.....	35
Wi-Fi.....	35
Mobile Network.....	37
Airplane mode.....	40
Hotspot & tethering	41
Wi-Fi hotspot.....	41
USB tethering.....	41
Bluetooth tethering.....	41
Ethernet	42





Connected devices.....	43
Bluetooth	43
NFC	44
Cast.....	44
Printing	45

USB	46
 Apps	47
 Notifications	48
 Battery	49
Battery Saver	49
Battery Manager	49
Battery percentage	49
Battery Usage	50
 Display	50
Auto Idle mode	51
Brightness Level	51
Nigh Light Feature	51
Adaptive Brightness	52
Advanced	52
Dark theme	52
Screen timeout	52
Auto-rotation screen	52
Display size and text	52
Screen saver	53
Screen Orientation	53

Screen Density	53
 Wallpaper	54
Wallpaper.....	54
 Sound & Vibration	55
Volumes.....	55
Do not Disturb	55
Prevent Ringing.....	56
Default Notification Sound	56
Default Alarm Sound.....	57
Screen locking Sound	57
Advanced.....	57
 Storage.....	59
Storage	59
Storage Manager	59
SD card	59
 Key Remap	60
 Wakeup Source	60
 Security & Privacy	61

Security.....	61
App Security.....	61
Device Unlock.....	61
Account security	62
Device Finders.....	62
System & updates.....	63
Privacy	63
Permission Manger	63
Privacy dashboard	63
Ads	64
Data sharing updates for location	64
More security & privacy	64
 Location	65
 Safety & emergency.....	66
 Passwords & accounts	67
 Accessibility.....	68
 Digital Wellbeing & parental controls.....	69
Set up Digital Wellbeing.....	69

Parental controls.....	69
 System	70
Languages	70
Gestures.....	71
Date & Time	72
Advanced.....	73
Reset options.....	73
Multiple users.....	74
To switch users.....	74
To add user.....	74
To delete guest from the device	75
To rename Admin Profile info	75
 About Device	76

Section 4 Operation 78

About Camera App (Snapdragon)	78
Take a Picture and Record Video	78
Camera Features	78
Video Features.....	80
Take a Screenshot	82
About File Application	83
Delete Files	83
Copy and Move Files	83

Share Files	84
About Imager Engine / Barcode Reader (Scanner SKU Only)	85
Imager Technical Specification	85
Imager Decode Ranges	86
Barcode Scanning using Barcode Reader	87
Scanning QR code with Integrated Camera	88
Reading NFC Tag	89
About Cellular Phone - (5G/4G LTE/3G) (M51C WWAN SKU only)	90
About Android Debug Bridge (ADB) control	91
Elo Mobile computer device supports debugging via Wi-Fi/Ethernet or using the USB cable,	91
About Elo Mobile Factory Full Reset	92

Section 5: Maintenance **93**

Elo M51 Mobile Computer Care and Handling	93
---	----

Section 6: Elo Service and Support **94**

Technical Assistance	94
Returning a Terminal for Service	94

Section 7: Regulatory Information **95**

Electrical Safety Information	95
Emissions and Immunity Information	95
Radio Equipment Directive	97
Agency Certifications	98
Waste Electrical & Electronic Equipment Directive (WEEE)	99

Section 8: Warranty Information..... 100
Visit our website www.elotouch.com for the latest information below: 100

Section 1: Introduction

Product Description

The Elo M51 is an enterprise-grade rugged mobile computer designed to meet the demands of large enterprises. It features a 6-inch FHD scratch-resistant touch display, Android 14 OS, a powerful Qualcomm 6490 octa-core processor, integrated NFC, and an optional 2D barcode scanner. Whether enhancing retail store operations, optimizing warehouse management, or streamlining ticketing processes, the Elo M51 enables your employees to boost efficiency and improve operational workflows.

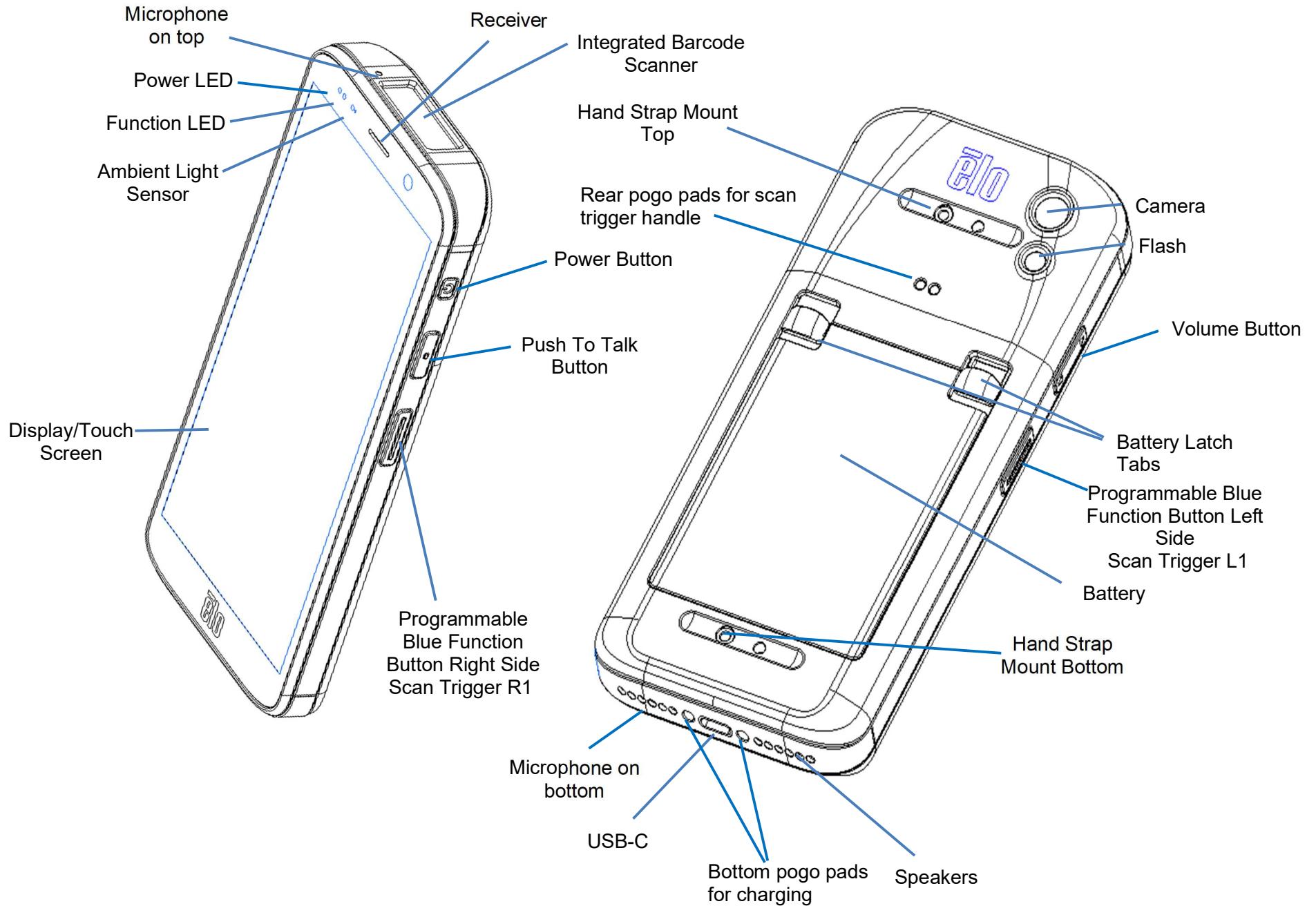
Built to withstand the rigors of commercial use, the M51 is purpose-built with chemically strengthened glass and rugged housing that meets IP68 and MIL-810G standards. The mobile computer also includes a warm-swappable 4,500 mAh battery that provides up to 12 hours of battery life.

Overview – Specifications

	M51 (Wi-Fi SKU)	M51C (WWAN SKU)
Operating System	Android 14 with GMS Planned upgrade to Android 16	Android 14 with GMS Planned upgrade to Android 16
Processor	Qualcomm QCM6490 8x Kryo 670 CPU up to 2.7GHz	Qualcomm QCM6490 8x Kryo 670 CPU up to 2.7GHz
Memory RAM	8GB LPDDR5 RAM	8GB LPDDR5 RAM
Memory Storage	128GB UFS	128GB UFS
Display	6" Optically Bonded High-Definition LCM; 2160x 1080; LED backlight; 500 NITS minimum	6" Optically Bonded High-Definition LCM; 2160x 1080; LED backlight; 500 NITS minimum
Touch Screen	Capacitive touch with Corning Gorilla Glass, Water droplet rejection, Anti-Fingerprint Coating	Capacitive touch with Corning Gorilla Glass, Water droplet rejection, Anti-Fingerprint Coating
Rear Camera	13MP Auto-Focus with Flash LED	13MP Auto-Focus with Flash LED
Front Camera	8MP Fixed Focus	8MP Fixed Focus
Expansion Slot	MicroSD supports up to SDXC UHS-1 1TB	MicroSD supports up to SDXC UHS-1 1TB
SIM	1 nano SIM; 1eSIM	1 nano SIM; 1eSIM
Wireless	IEEE 802.11 a/b/g/n/ac/ax, WIFI 6E, 2x2 MU-MIMO, Bluetooth 5.2	IEEE 802.11 a/b/g/n/ac/ax, WIFI 6E, 2x2 MU-MIMO Bluetooth 5.2
Cellular	N/A	North America Models: E450425, E450619 - Carrier: AT&T certified 5G FR1: n2/5/12/25/30/38/41/48/66/71/77/78; 4G:B2/4/5/12/13/14/17/25/29/30/38/41/42/43/46 /48/66/71; 3G: B2/4/5 Europe Models: E450052, E450234 - Carrier: Open

		5G FR1: n1/3/7/8/28/38/41/77/78/79; 4G: B1/2/3/5/7/8/20/26/28/38/39/40/41; 3G: B1/5/8
GPS	N/A	GPS, GLONASS, Galileo and BeiDou-concurrent L1/G1/E1/B1 (GPS, GLO, GAL, BeiDou) + L5/E5a/BDSB2a (GPS, GAL, BeiDou); AGPS support
Audio	Dual microphones with noise cancellation Dual speakers with combined receiver on the top Bluetooth headset support USB-C PTT headset and USB-C headset support	Dual microphones with noise cancellation Dual speakers with combined receiver on the top Bluetooth headset support USB-C PTT headset and USB-C headset support
Main Battery	Rechargeable, 3.85V/4520mAh, Warm Swap battery mode, Qualcomm Quick Charge 4	Rechargeable, 3.85V/4520mAh, Warm Swap battery mode, Qualcomm Quick Charge 4
USB Port	Type-C	Type-C
NFC	MiFare, Felica, ISO15693, ISO 14443 Type A/B, Support CPoC	MiFare, Felica, ISO15693, ISO 14443 Type A/B, Support CPoC
Barcode Scanner	Zebra SE4100 1D/2D scan engine (Scanner SKU only)	Zebra SE4100 1D/2D scan engine (Scanner SKU only)
Sensors	Light sensor (automatically adjust backlight brightness), Proximity sensor (disable display and touch when placed against head during the call), Accelerometer	Light sensor (automatically adjust backlight brightness), Proximity sensor (disable display and touch when placed against head during the call), Accelerometer
Buttons	Dual scan buttons (programmable buttons) Power button Push to talk button Volume up/down buttons	Dual scan buttons (programmable buttons) Power button Push to talk button Volume up/down buttons
Notification	1x combination Green/Amber LED for charging status 1x combination Blue/Red user programmable LED Vibrator for haptic feedback	1x combination Green/Amber LED for charging status 1x combination Blue/Red user programmable LED Vibrator for haptic feedback

Features: Elo Mobile Computer M51/M51C



Section 2: Getting Started

Unpacking

Verify that the box contains:

- Elo M51 Mobile Computer
- Charger with US, EU and UK plugs
- USB-C cable
- Battery
- Quick Install Guide

Remove all protective material from the device.

Inspect the device for damage.

Report immediately if the device is damaged and with missing items as listed above.

Note: Before using the device for the first time, fully charge the battery.

Battery Safety Precautions



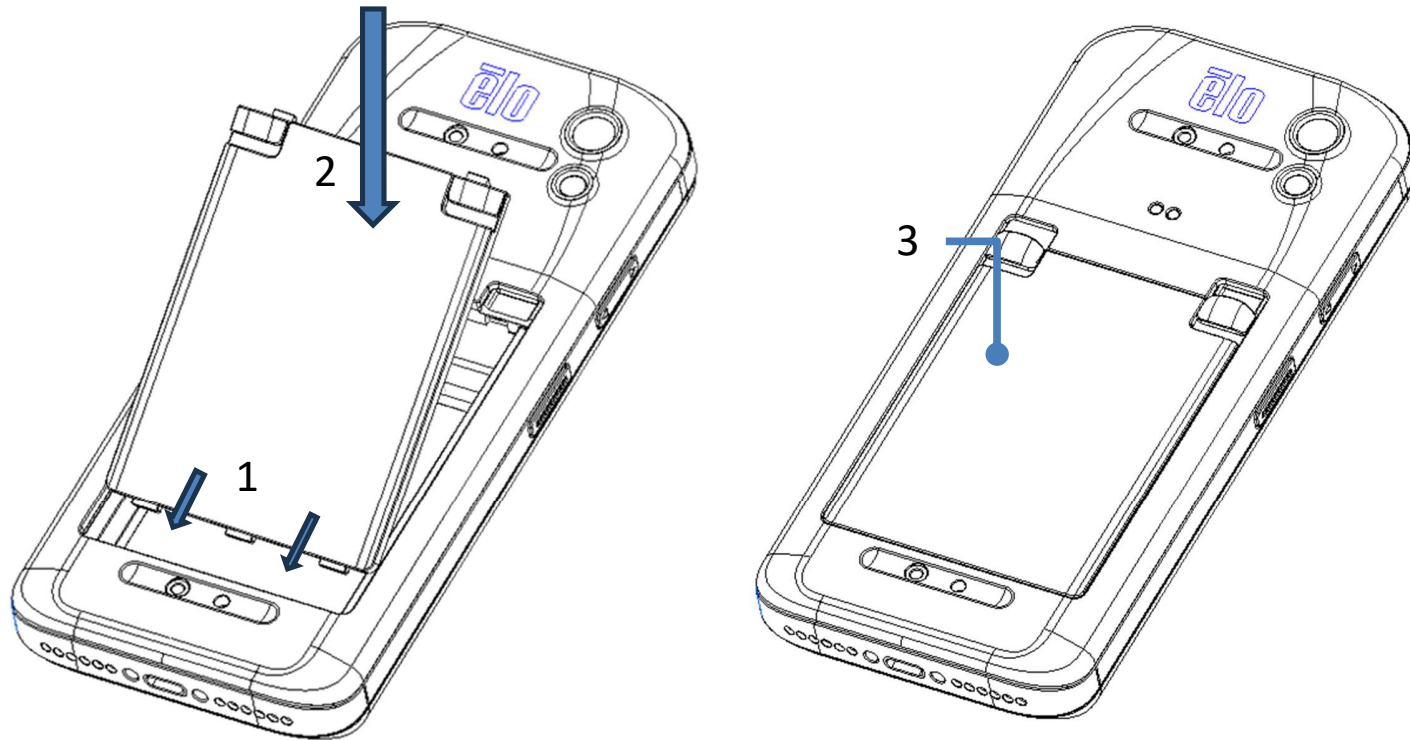
The battery stores a large amount of energy in a small amount of space. Replace the battery with same type only. Improper replacement of battery may cause risk of burns, fire, and explosions. Do not open, crush, bend, puncture, shred, heat above 60° C / 140° F or incinerate. Risk of fire and burns if improperly handled. Do not short circuit, immerse the battery to liquid, or attempt to insert any foreign object to the battery. Avoid storing under direct sunlight. If there is a serious swelling of the battery, do not continue using. Dispose the battery according to local regulations.

Battery Information / Specification

- Rechargeable Li-ion Polymer Battery (P/N E533892)
- Nominal Voltage: 3.85Vdc
- Limited Charging Voltage: 4.4Vdc
- Maximum Charging Current: 3A
- Rated Capacity: 4500mAh 17.3Wh

Battery Installation

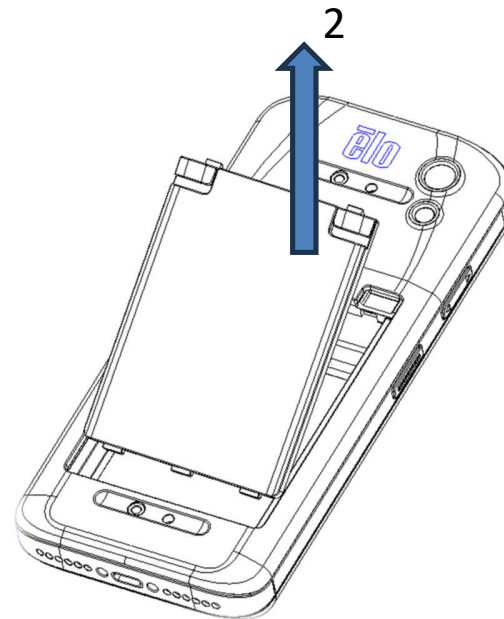
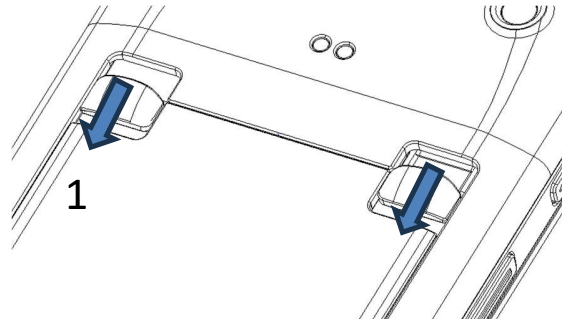
- Insert the battery, start from the bottom first, then slide the battery down into the compartment then push down until battery locks into position automatically.



In order to protect the M51/M51C and maintain IP68 for Ingress protection, check the battery after drops, or large impacts. Be sure the battery is secured properly, and no gaps are visible between the back cover and battery cover

Battery Un-installation

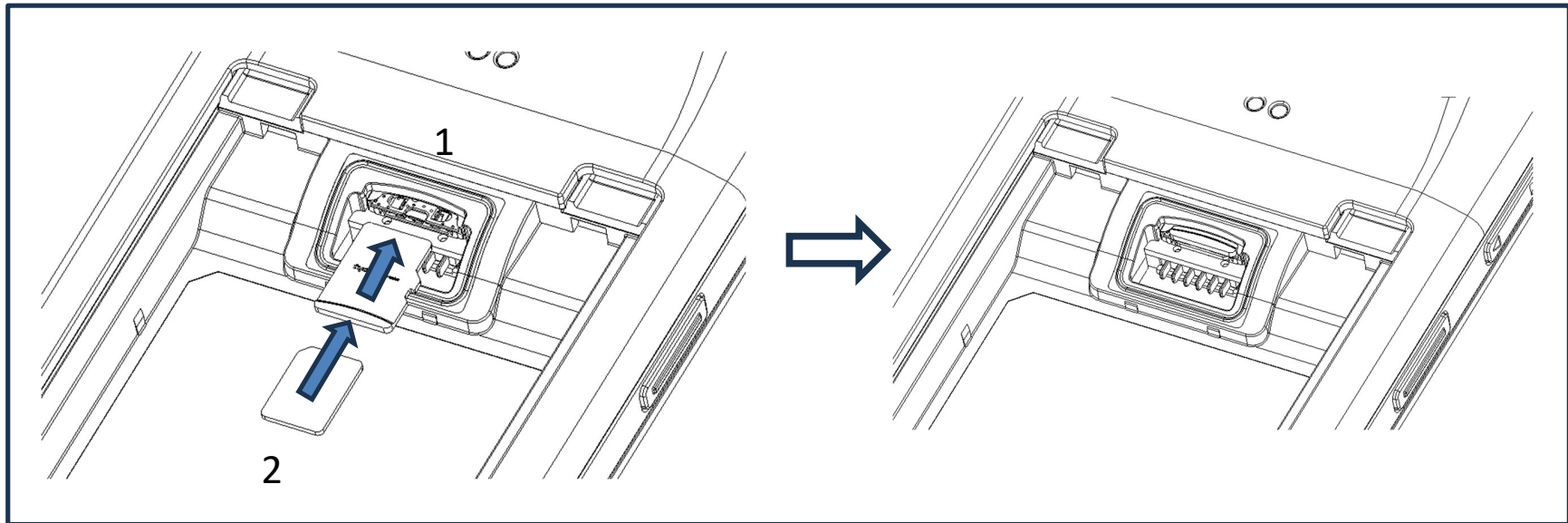
- Shutdown the system. *Refer on power status on this user manual for proper system shutdown.*
- Remove the battery from the device.
- Push down the two tabs in both upper corners of the battery towards the bottom to unlock the battery.
- Lift-up the battery with the two tabs and then slide up away from the compartment.



Micro SD & Nano Sim Card Installation

- First save files and shutdown the computer.
- Remove the battery. Refer to the battery un-installation section of this user manual.
- Access the Micro SD + Nano Sim carrier located on the upper side of the battery compartment.
- Place the Micro SD and/or the Nano Sim card into the carrier with contact side face down.
- Reinstall battery

<Micro SD & Nano SIM Card Installation>



1. Up: Micro SD Card
2. Bottom: Nano SIM Card

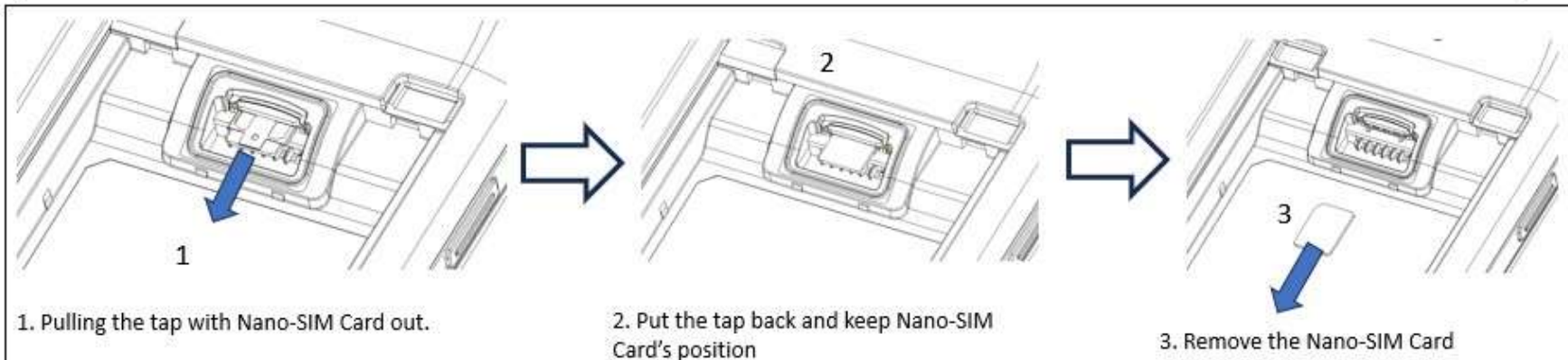
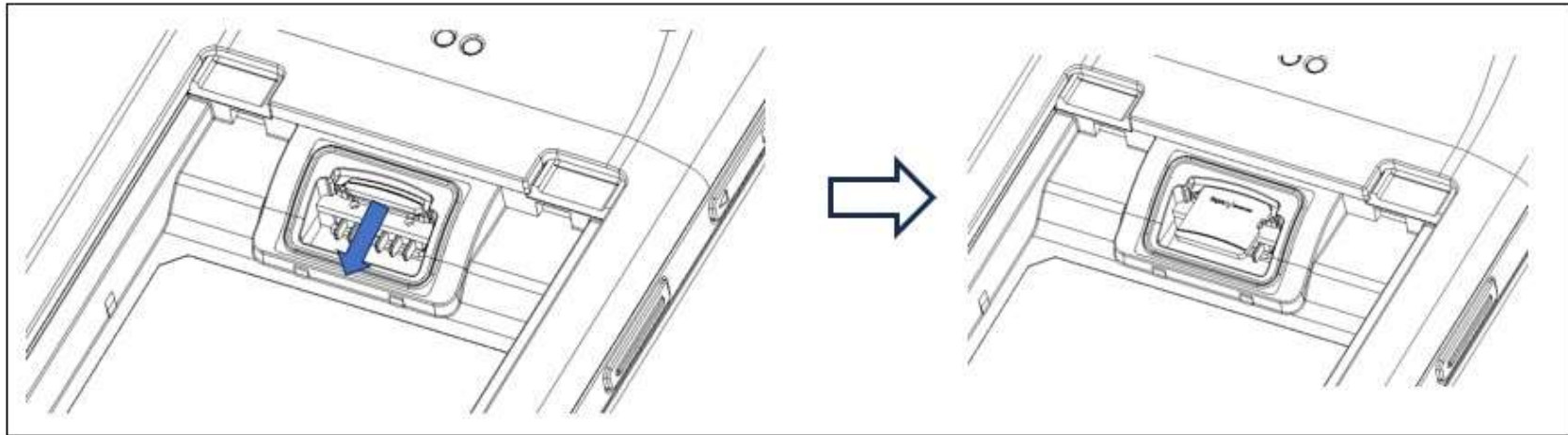
Note:

Silkscreen on the label for notice in different SKUs.



M51:

<Micro SD & Nano SIM Card Un-Installation>



Charging System & Power

Charging the M51 through USB type C Port







The Elo M51 Mobile Computer is powered by a rechargeable battery (Li-ion polymer Battery). A charger (USB C type wall adapter) is included with the computer.

With Qualcomm Quick Charger 4.0 to charge to 90% will take about 120 minutes.

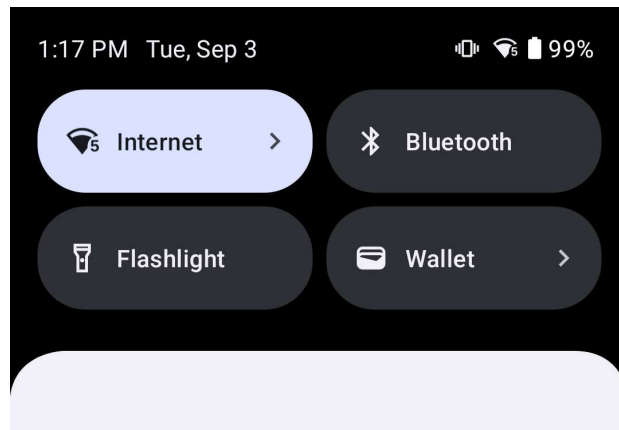
Charging Safety Features

- Over charge/discharge protection
- Over current/short-circuit protection
- Temperature monitoring/Over temperature protection.
 - ❖ The M51 charger is design to stop charging when battery reaches the temperature of 50°C.


Battery Status / Descriptions

	Battery is charging		Battery is partially drained		Battery is very low at 15%
	Battery is full		Battery at 50%		Battery Saver is ON

You can also see the exact percentage of battery left if you swipe up once from the home screen, at the top of the display, you will see the battery icon with the actual percentage of charge left next to the icon.



Power Button

Note: If any reason the device does not display video while it is charging. Press the power button once and if battery icon  appears into the display screen it means it is in the OFF state.

- To turn ON the power of Elo M51 Mobile Computer press and hold power button for 2 seconds.
- To Shut down, Restart or Battery Swap, press and hold the power button for more than 5 seconds and follow the on-screen display menu.
- To force the system to Shutdown, press and hold the power button for 12 seconds.
- To bring the system out of sleep/standby mode, press the power button once or touch the screen.

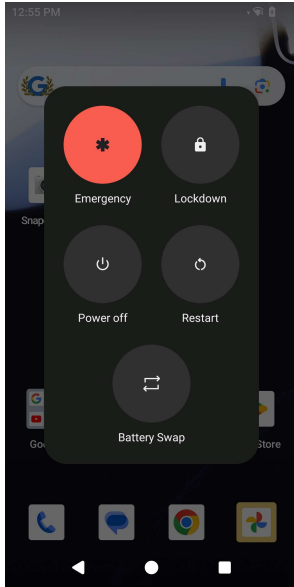
Power LED Status

POWER LED STATUS	DESCRIPTION
OFF	OFF
Solid Green	Power ON, battery charging completed
Solid Amber	Power ON, battery charging enabled

Power / Function Buttons Features and Gestures

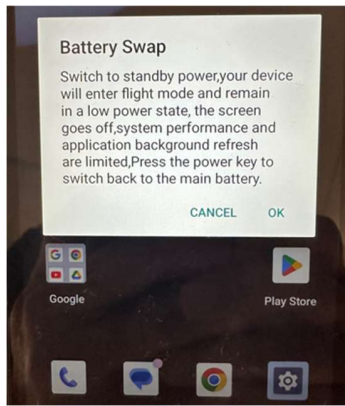
Power button On-Screen display menu features

If the power button is pressed for more than 5 seconds, a pop-up screen menu will appear.



Battery Swap

- Tap the battery swap icon to change a fully charged battery
 - ❖ In the battery swap mode, the M51 will enter the low power state, the screen goes off, the system performance and application background refresh are limited.



- Tap OK then the blue led flashes
- Remove the battery.
- Insert a fully charged battery into the M51 and press the power button then the system will be resumed.

Gestures

- Pressing the power button twice will activate Camera.
 - ❖ To enable or disable this feature see *Android Settings on System* → *Gesture on this user manual*.
- Pressing power button + Volume Up will activate notification volume to vibrate or Mute depending on the settings.
 - ❖ To enable or disable this feature see *Android Settings on System* → *Gesture on this user manual*.
- Pressing power button + Volume Down will activate screenshot.

Status Bar Icons and Definition

	Connected to GPRS mobile network		Roaming
	GPRS in use		No signal
	Connected to EDGE mobile network		No SIM card installed
	EDGE in use		Vibrate mode
	Connected to 3G mobile network		Ringer is silenced
	3G in use		Phone microphone is mute
	Mobile network signal strength		Battery is very low
	Connected to a Wi-Fi network		Battery is low
	Bluetooth is on		Battery is partially drained
	Connected to a Bluetooth device		Battery is full
	Airplane mode		Battery is charging
	Alarm is set		GPS is on
	Speakerphone is on		Receiving location data from GPS
	New Gmail message		More notifications
	New text or multimedia message		Call in progress
	Problem with text or multimedia message delivery		Call in progress using a Bluetooth headset
	New Google Talk message		Missed call
	New voicemail		Call on hold
	Upcoming event		Call forwarding is on
	Data is syncing		Song is playing
	Problem with sign-in or sync		Uploading data
	SD card or USB storage is full		Downloading data
	An open Wi-Fi network is available		Download finished
	Phone is connected via USB cable		Connected to or disconnected from virtual private network (VPN)
	Phone is sharing its data connection via USB (USB tethering)		Carrier data use threshold approaching or exceeded
	Phone is sharing its data connection as a Wi-Fi hotspot (Wi-Fi tethering)		Application update available
	Phone is tethered in multiple ways		System update available

About Touch Gestures



Tap

Briefly touch surface with fingertip

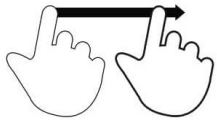


Press

Touch surface for an extended period of time.

Press and Hold / Touch and Hold

Touch surface for an extended period of time and continue to hold the finger against the screen.



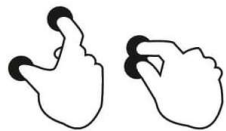
Drag

Move fingertip over surface without losing contact.



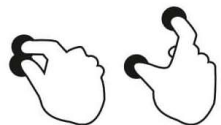
Flick

Quickly swipe surface with fingertip.



Spread - Zoom in

Touch surface with two finger and move them apart.



Pinch - Zooming out

Touch surface with two fingers and bring them closer together.

Out of Box Experience (OOBE)

Step 1:

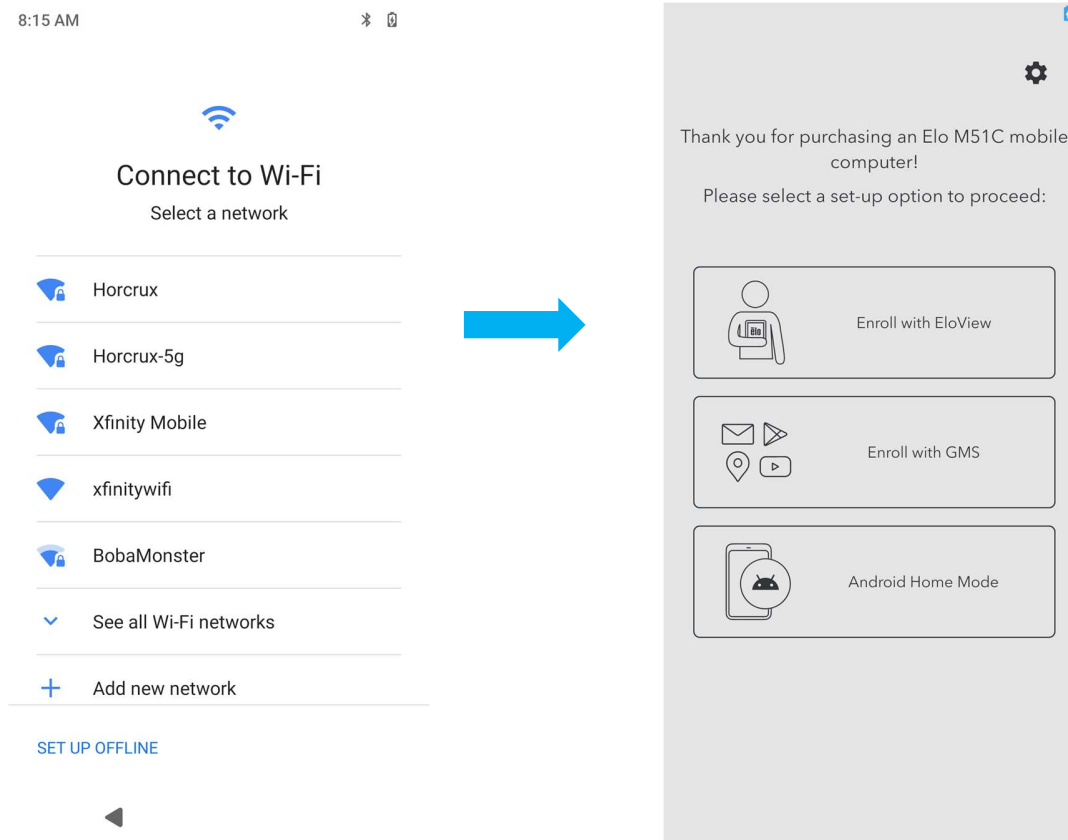
- Will proceed to Connect to Wi-Fi screen after power up sequence is complete.

Step 2:

- Connect to Wi-Fi or tap "Set up offline" to skip Wi-Fi set up.
- To enroll with EloView you must connect to Wi-Fi.

Step 3:

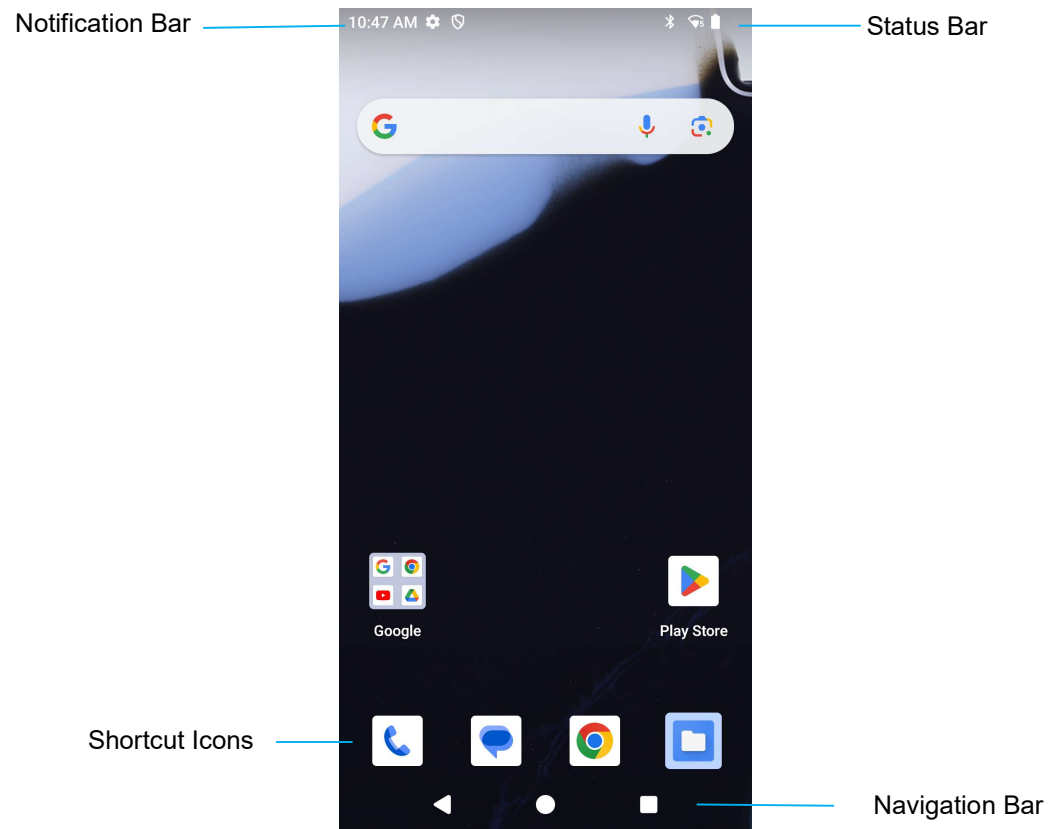
- Choose the following set up method.
- Follow on-screen instruction to complete the set up.






Elo Home Screen

The Elo Home Screen is the starting point for navigating the device. You can place your favorite apps and widgets here.

Note: The images below may appear different from the actual device.



Navigation Bar

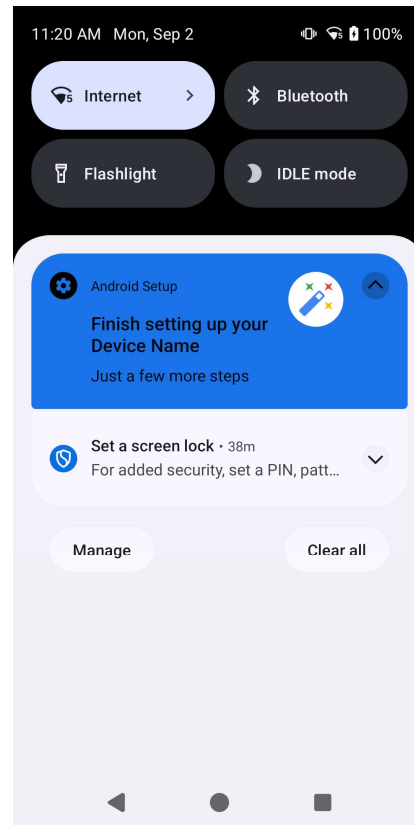
-  **Recent App** - Return to the previous page.
-  **Home** - Return to the home screen.
-  **Back** - Switch between recently used apps.


Notifications

The Notifications screen can be accessed by swiping down on the home screen one time.

Notifications Screen

Note: The images below may appear different from the actual device.



- To clear a single notification alert, drag the notification all the way to the left or right.
- To clear all notification alerts, tap "**Clear**".
- To customize notification alerts, drag the notification halfway to the left or right then tap  setting.
- To exit tap **Navigation Bar** feature, swipe up the notification alert menu.

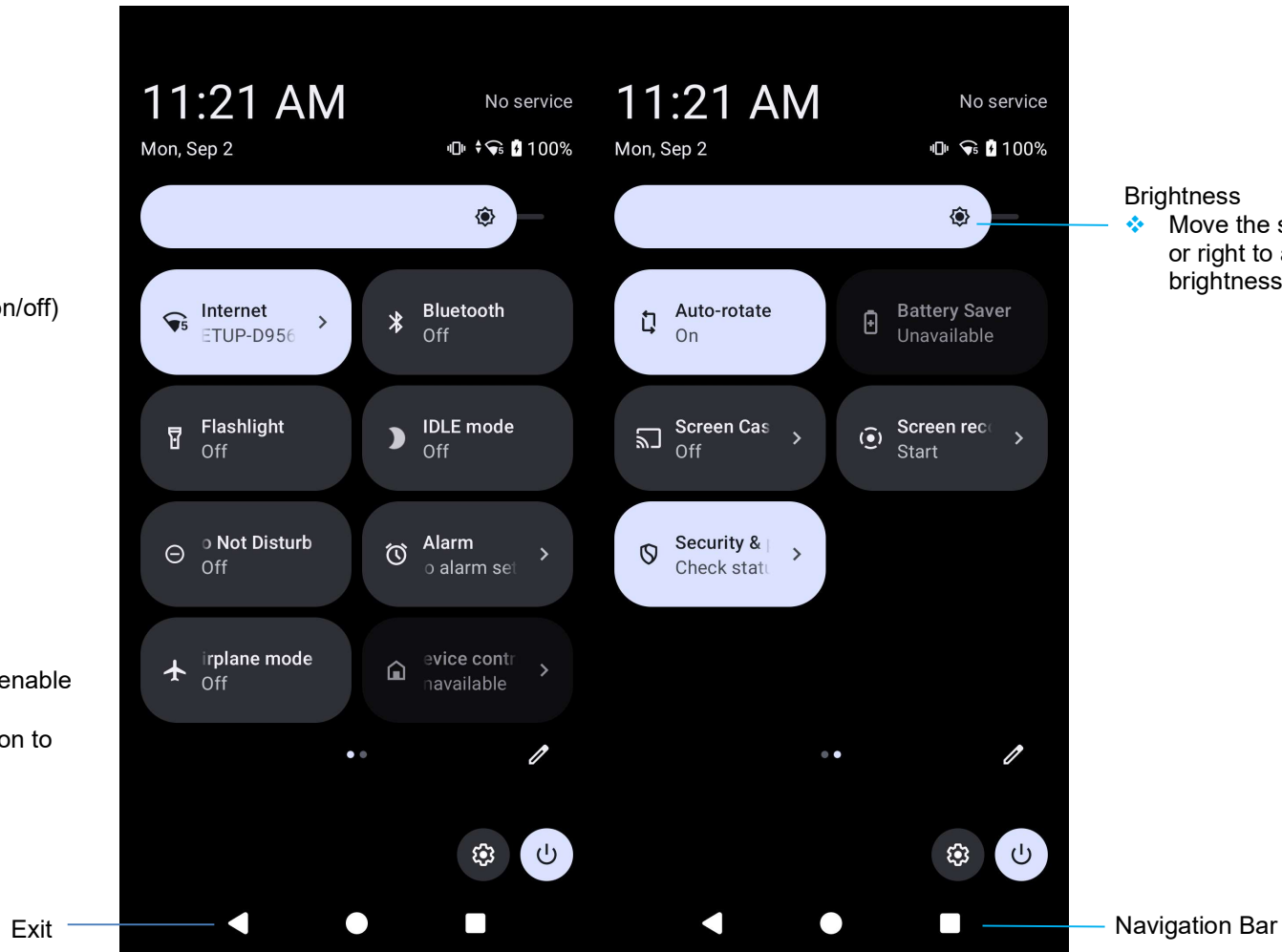
Elo View Quick Settings

The Elo View Quick Settings can be accessed by swiping down on the home screen twice. You can swipe left and right to access the entire menu.

Settings:

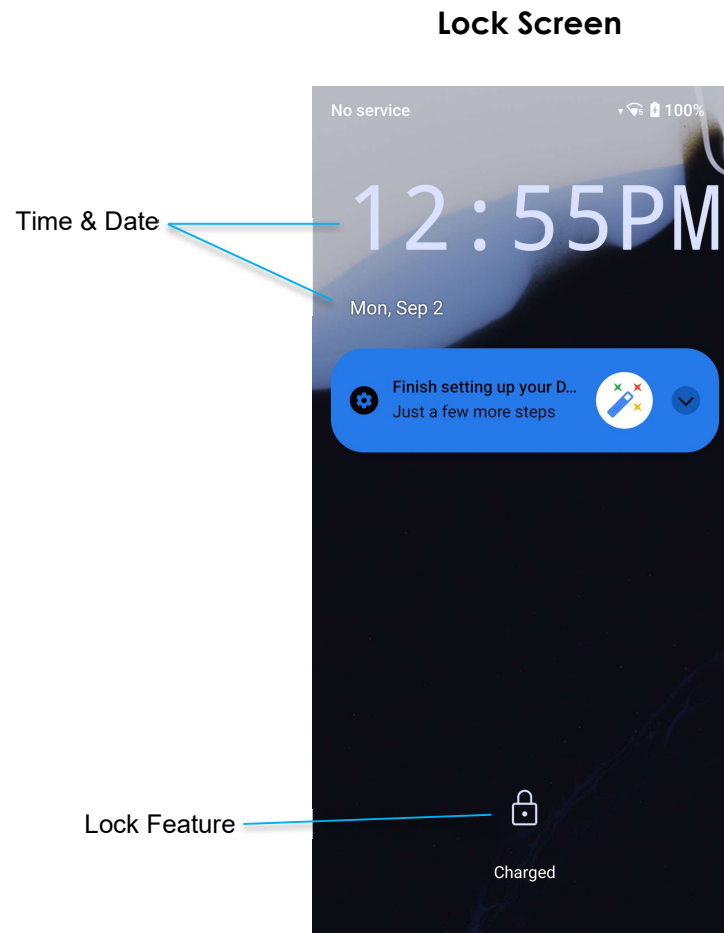
- ❖ Internet (includes Wi-Fi on/off)
- ❖ Bluetooth
- ❖ Flashlight
- ❖ IDLE Mode
- ❖ Do Not Disturb
- ❖ Alarm
- ❖ Airplane
- ❖ Auto-rotate
- ❖ Screen Cast
- ❖ Screen Recording
- ❖ Battery Saver
- ❖ Security & Privacy

- Tap an Icon once to enable or disable.
- Press and hold an Icon to access the settings.



Lock and Home Screens

Note: The images below may appear different from the actual device.

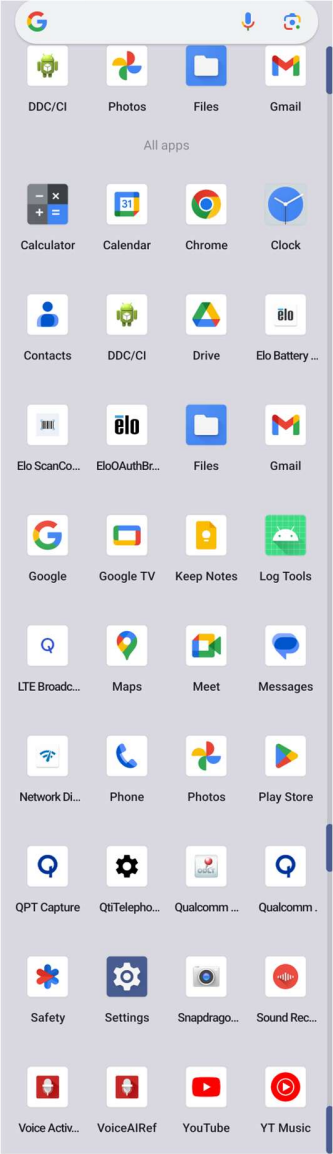


- To unlock the screen to **Home Screen**, swipe up on the **Lock Screen**.
Note: The default security is Swipe. Refer to Security settings section in this manual for advanced settings.
- To Lock the screen, press the power button once.

Application Drawer

The application drawer is a menu containing all the applications installed on the device including System Settings. This is different from the Home Screen, as it contains every installed app and cannot be customized. To access the Application Drawer swipe up on the home screen.

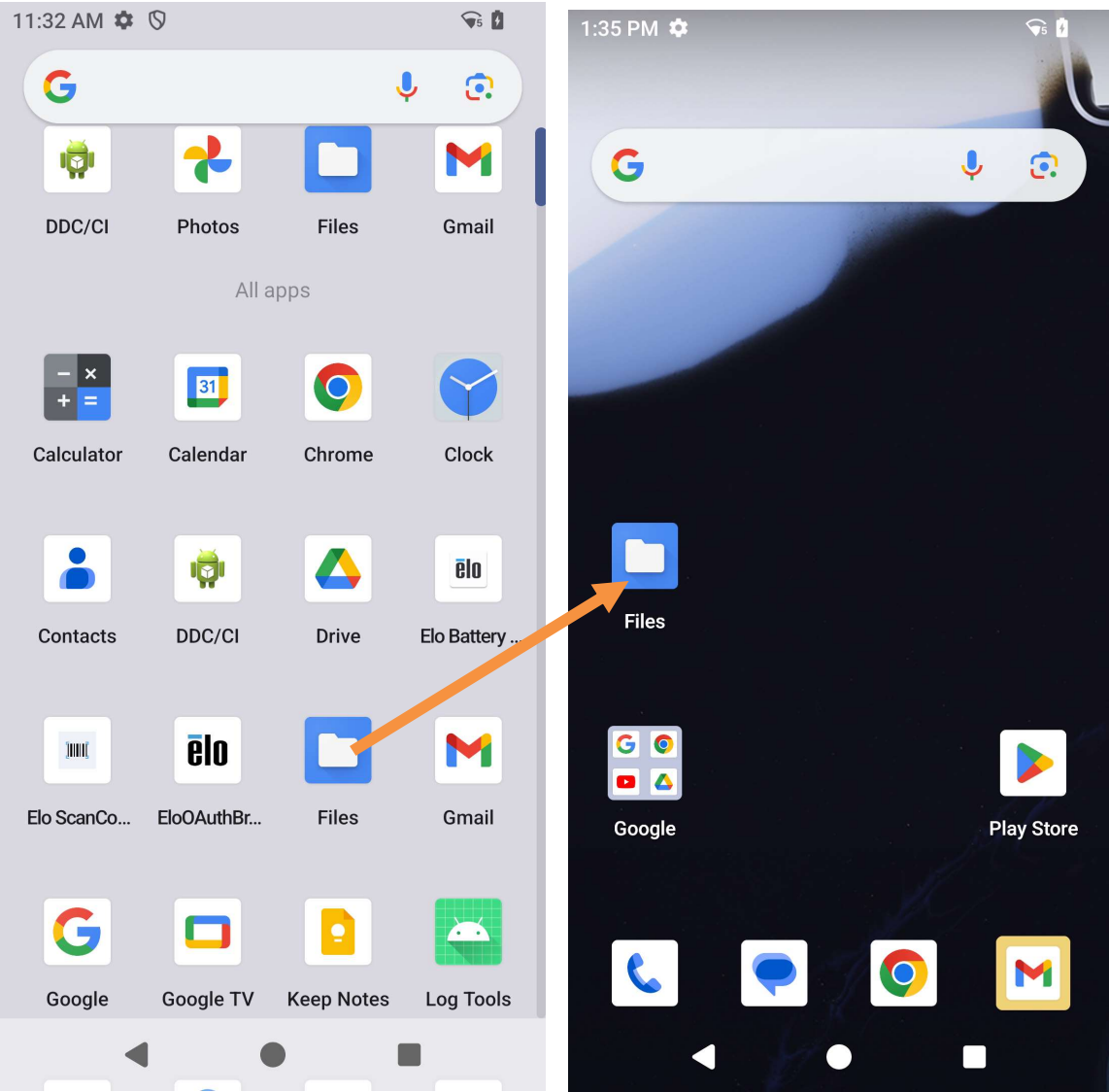
Note: The images below may appear different from the actual device.



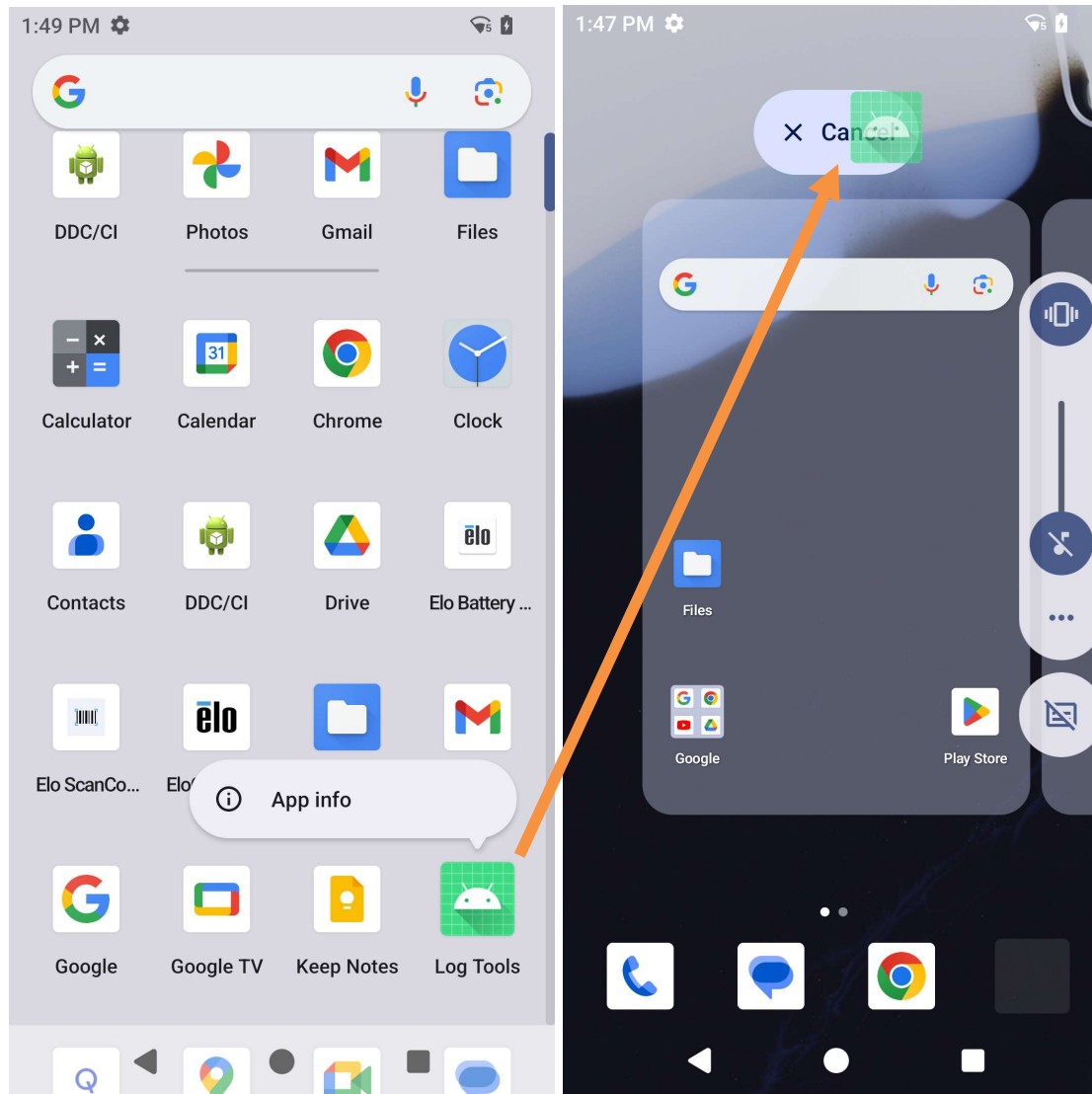
Customize and add a shortcut to the Home Screen.

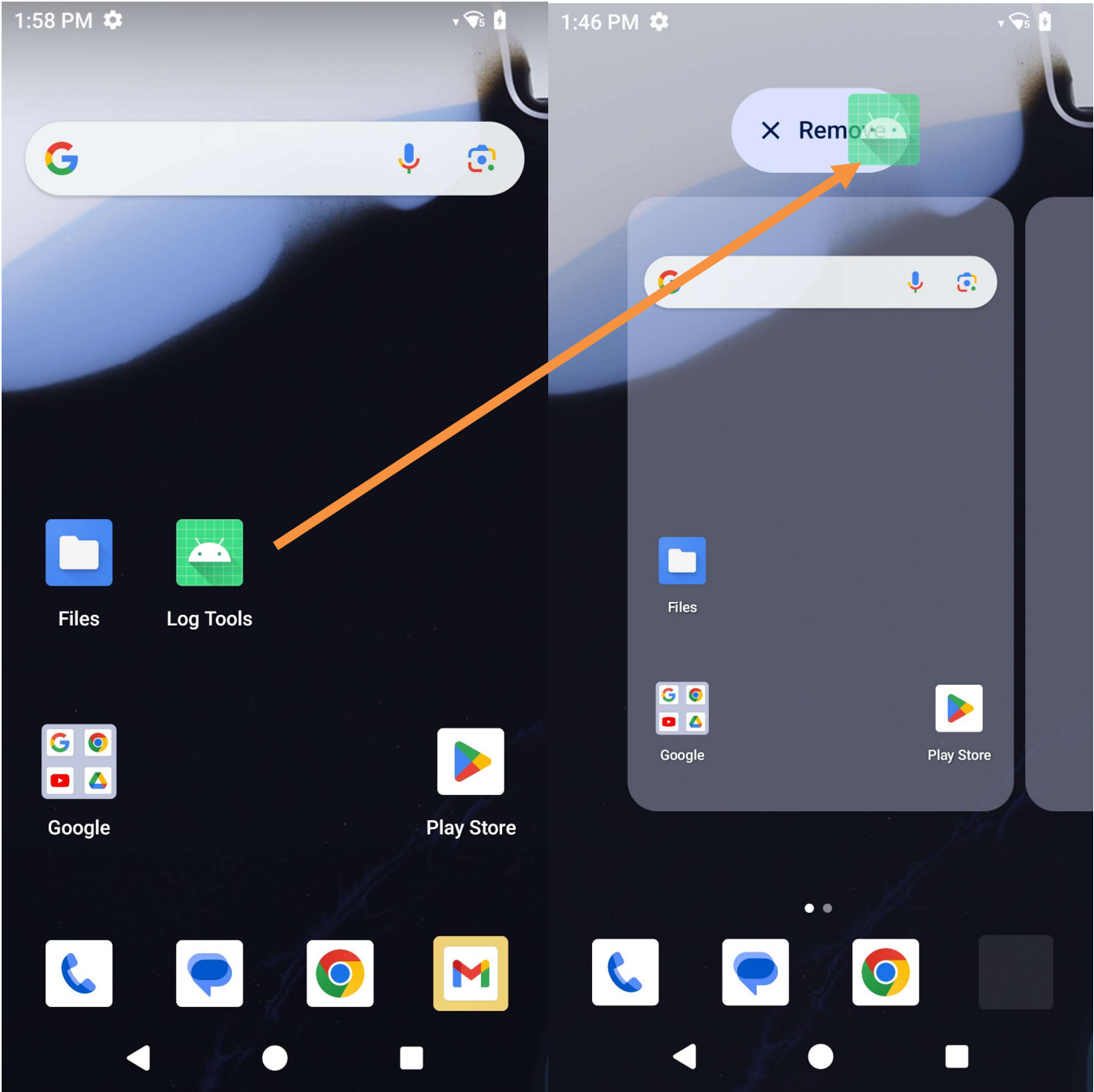
Note: The images below may appear different from the actual device.

- From the **Application drawer**, press and hold an app or (Icon) then drag the Icon to move the app to the **Home Screen**.
- Drag the Icon into the new location and release.



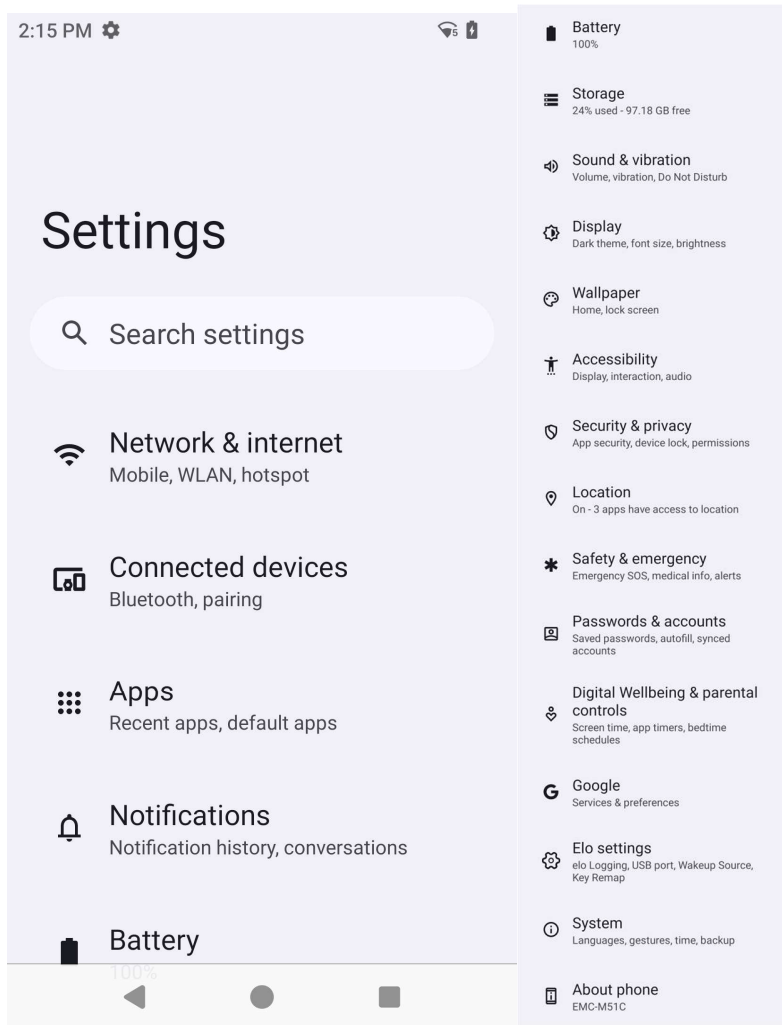
- To cancel, drag the icon to “**X Cancel**”.
- To remove a shortcut icon from home screen, press and hold the icon then drag the icon to “**X Remove**”.
- To uninstall an app, press and hold then drag the icon to “**Uninstall**”.





Section 3: System Settings

The System Settings menu allows you to control most aspects of your device - everything from establishing a new Wi-Fi or Bluetooth connection, to installing a third-party onscreen keyboard, to adjusting system sounds and screen brightness.

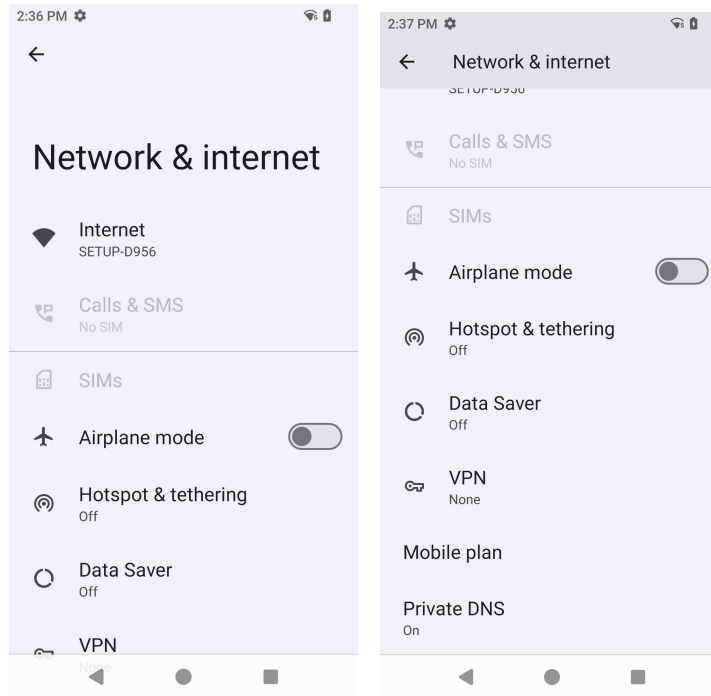





Network & Internet

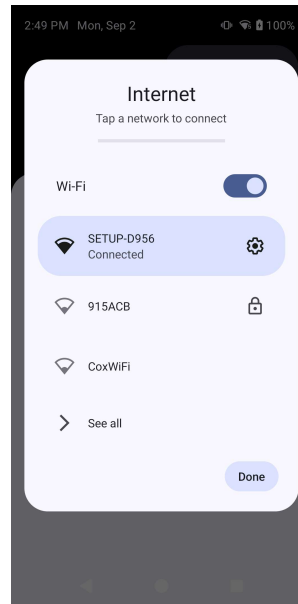
The Network & Internet application allows you to access Internet Wi-Fi settings, SIMs, Airplane Mode, Mobile plan, Hotspot, Tethering and Advanced settings of Data Saver, VPN and DNS.


To set up Network and Internet, enter  [Settings](#) → [Network & Internet](#) →

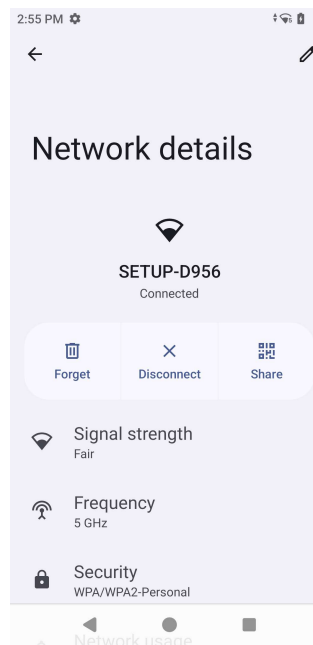


Wi-Fi

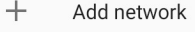

- To enable or disable Wi-Fi, access the Internet settings in the quick access menu by swiping up twice on home screen and pressing the Internet menu.
- Tap **Use Wi-Fi** to enable .
- From the list, select a wireless network.
- When prompted enter the network password.
- Tap **Connect**.





For additional Network detail information's (IP address, Security, Frequency and Advanced), tap  setting of the network being used.





Joining Wi-Fi using QR code

- From the list of saved Wi-Fi scroll down and tap  Add network .
- Tap  (QR code) icon to the right of Add network.
- Position the viewfinder over the QR code on another device.

Sharing Wi-Fi using QR code

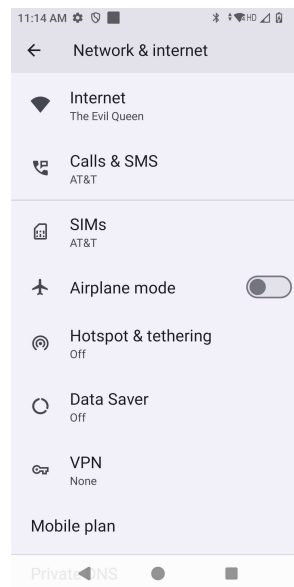
- Tap  setting of the connected device.
- Tap  (Share) icon.

Disconnecting a connected Wireless Network

- Tap  setting of the connected device.
- Tap  (FORGET) icon to disconnect.

Mobile Network

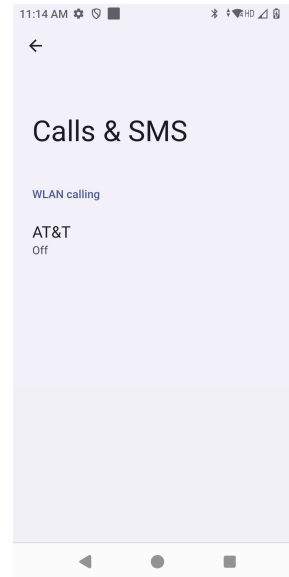
Make sure the SIM card is inserted or eSIM installation properly and setup correctly by restarting the device, the Network and Internet menu will look like this:



Settings and detailed information can be found here. Some are further menus, and some are simply on/off settings.

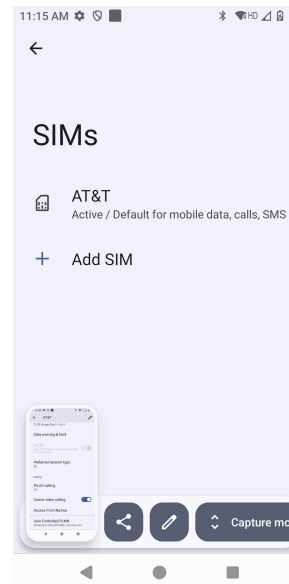
Call & SMS

- Tap **WLAN calling** to enable your phone can route calls vis WLAN networks.



SIMs

- Tap **Add SIM** to add another SIM or set up a new eSIM



Connect to mobile network

To add another SIM, set up a new eSIM.

To use a different SIM card, first remove the one that's currently in your phone. [Learn how to use a SIM card](#)

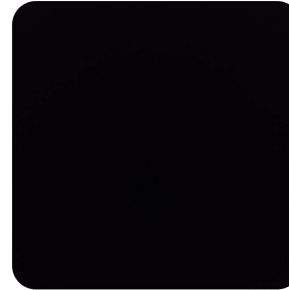


Set up an eSIM

Cancel

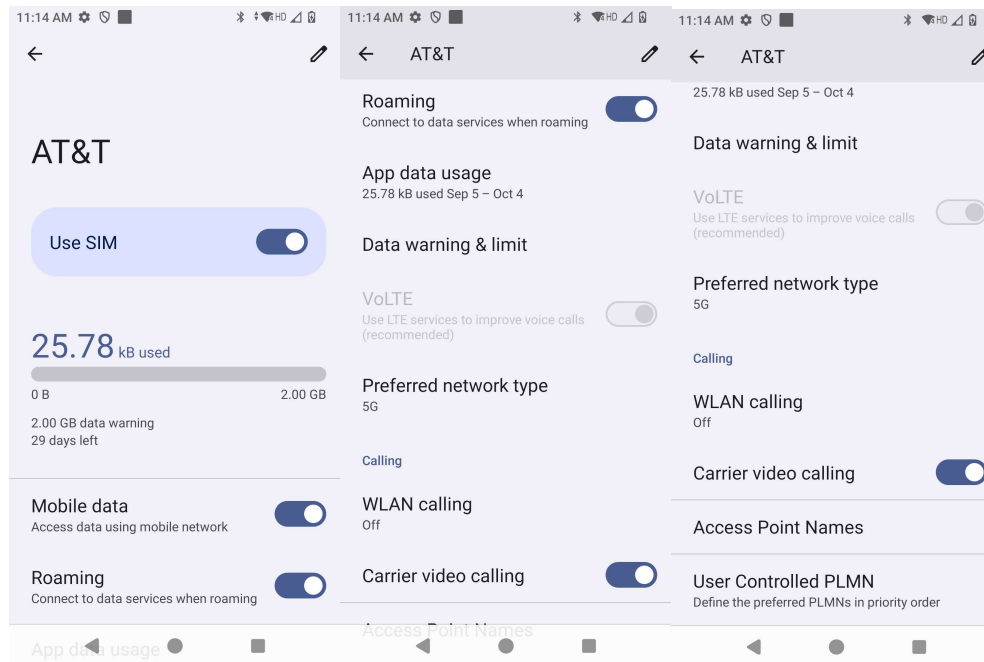
Scan QR code from network



If your network provider gave you a QR code, scan it now by keeping the code centered in the box





Need help?

Mobile Plan

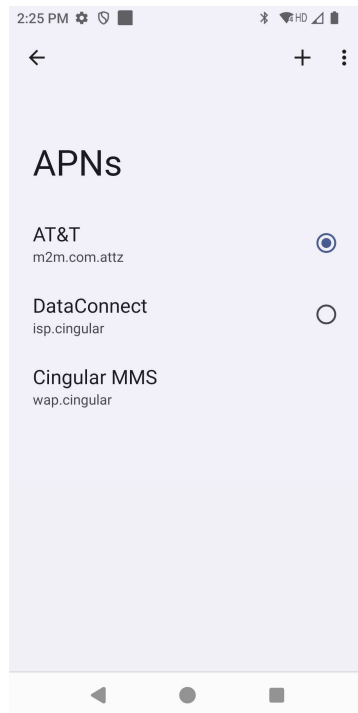


- Tap  switch icons to turn on and off the feature or setting.
- Tap **Roaming** to enable roaming .
- Tap **Preferred Network Type** to choose preferred network available, e.g. 5G.

App Data Usage

- Tap  to set the period for mobile data usage calculation.
- Tap  to set data warning & limit.

Automatically Select Network / APN



- Tap **Access Point Names** to select APN from the available APNs list.

Airplane mode

This will disable all of the wireless transmission functions. Including cellular, Wi-Fi, and Bluetooth.



- To enable , tap **Airplane mode**.

Hotspot & tethering

Wi-Fi hotspot

This feature is for sharing Internet network connection with another device using Wi-Fi.


Note: The mobile computer must be connected to Wi-Fi. See *Network & Internet connection on this user manual*.

- Tap **Hotspot and tethering**.
- Tap **Wi-Fi hotspot**.
- Tap toggle switch to ON .
- Tap  QR code.
- The QR code is for another device to scan the password for easy connect.
- To enter manually the password, tap **Hotspot password**.

USB tethering

This feature is for sharing Internet connection to another device using a USB cable.


Note: The USB cable must be connected first from mobile computer to another device or PC. See *Connected device → USB on this user manual*.

- Tap **Hotspot and tethering**.
- Tap **USB tethering**, to enable .

Bluetooth tethering



This feature is for sharing internet network connection to another device using Bluetooth.

Note: The Bluetooth must be paired first from mobile computer to another device or PC. See *Connected devices → Bluetooth on this user manual*.

- Tap **Hotspot and tethering**.
- To enable , tap **Bluetooth tethering**.

Ethernet

Note: To connect the mobile computer to Ethernet, it will need an Elo I/O hub E815044 (Small Hub) or E815235 (Large Hub). When available, the mobile computer will automatically prioritize the ethernet connection. If the mobile computer does not, please follow the steps below.

- Connect the mobile computer to the hub via the USB-C connection, the USB-C port on the hub is marked in green.
- Set Wi-Fi to disable.
 - Go to Wi-Fi settings, tap **Use Wi-Fi** to disable .
- Tap **Ethernet**.
- Tap toggle switch to enable .




Connected devices

The Connected devices application allows you to pair Bluetooth devices, NFC, and USB (Tethering File transfer MDT and PTP)


To setup, enter  [Settings](#) → [Connected devices](#) →

Bluetooth

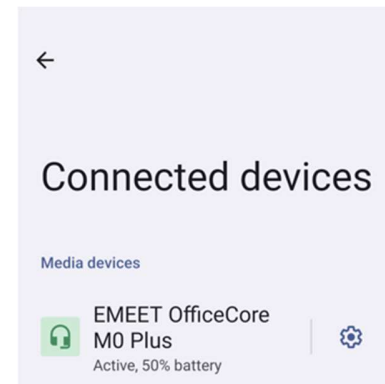
Note: Make sure the BT device is on discoverable.

- Tap **Connection preferences**.
- Tap **Bluetooth**.
- Tap toggle switch to ON .
- Tap **+ Pair new device**.
- From Available devices screen, tap a device to pair.
- When a pairing request message appears.
 - Verify the pairing number is the same.
 - If the pairing requests a PIN, enter the PIN.
- Tap **PAIR**, to connect.
- When the Bluetooth device is successfully connected to mobile computer, the connection will show as Active or Connected.

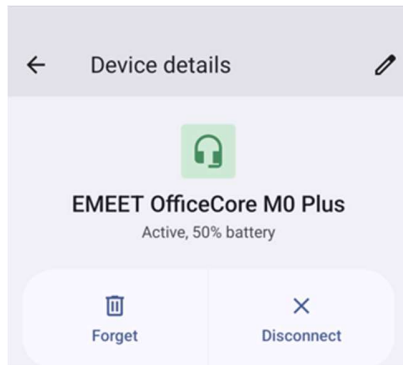
Unpair a paired Bluetooth Device

- Navigate back to 'Connected devices' screen, from **MEDIA DEVICES** or **PREVIOUSLY CONNECTED DEVICES**.
- Tap  settings of the connected device (e.g. JBL Flip 3).

— BT Device Setting





- In the settings menu, it is possible to **DISCONNECT, FORGET** (to unpair the device) and to enable and disable Phone calls, Media audio and Contact sharing.



NFC


Is a short-range high frequency wireless communication that enables the exchange of data between devices.

- Tap **Connection preferences**.
- Tap NFC to  enable or  disable.

Cast

This allows to mirror Elo mobile computer screen on a wireless display device (e.g. Smart TV).

Note: Make sure the wireless display capable device and mobile computer are on the same wireless network. See *Network & Internet connection on this user manual*.

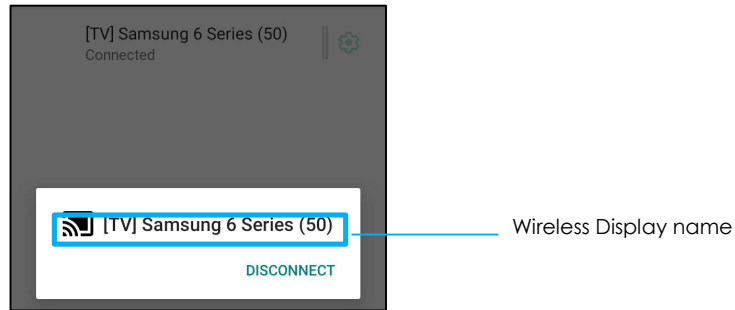
- Tap **Connection preferences**.
- Tap Cast.
- Tap  3-dots menu.
- Tap **Enable wireless display** to begin scanning for compatible displays.

Enable wireless display 


- From the list, tap a wireless display (e.g. TV). From the Wireless Display device (TV), if promoted tap **Allow**.

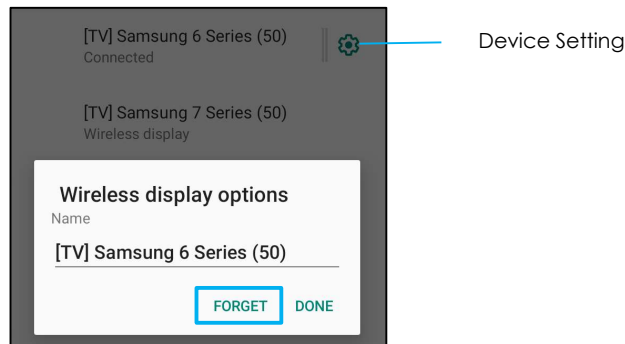
Disconnect and forget a connected wireless display

- To stop the device from casting, tap the connected wireless display (e.g. TV).
- Tap **DISCONNECT**.




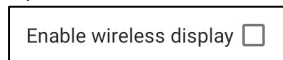
To forget a device

- Tap  setting of connected wireless display.
- From wireless display options screen, tap **FORGET**.




To stop scanning available wireless display to cast

- Tap  3-dots menu.
- Tap **Enable wireless display** to be unchecked




Printing

Note: Make sure mobile computer and printer are connected to the same network.

- Tap **Connection preferences**.
- Tap **Printing**.
- Tap **Default Print Service**.
- Tap toggle switch to ON .

- Tap  3-dots menu.
- Tap **Add printer**.

To add a printer using Wi-Fi printer:

- Tap **Wi-Fi direct printing** to enable .
- If prompted, tap '**ALLOW ONLY WHILE USING THE APP**' to allow the device.
- Tap **Wi-Fi Direct printers** to start searching for a Wi-Fi printer to add.
- Tap the printer's name to connect.

To add a printer entering IP address:

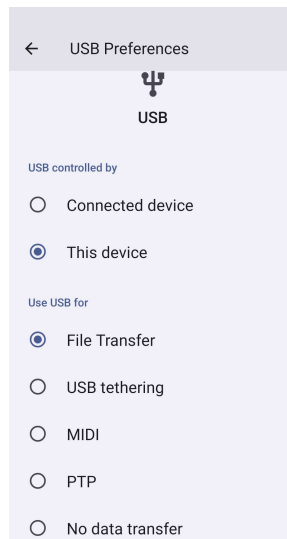
- Tap **Add printer by IP address**.
- Enter the printer's IP address.

USB

For data transfer and network sharing using a USB connection.

Note: To activate the USB settings, connect the USB cable from mobile computer to another device or PC. Once the mobile computer detects the device, it will become available in the USB preference settings.

- Tap USB.
- From USB Preferences under USE USB FOR choose and tap a feature to enable.



- ❖ **File transfer** – This will share mobile computer internal and SD shared storage.
- ❖ **USB tethering** – This will share internet network connection.
- ❖ **MIDI** - Musical Instrument Digital Interface.
- ❖ **PTP** - Picture Transfer Protocol.
- ❖ **No data transfer** – (Default Setting) No data will be transferred even if the USB cable is connected.

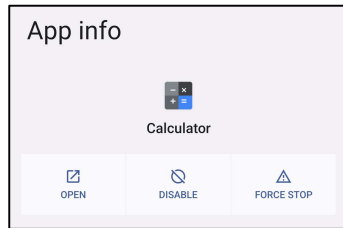
Apps

App settings are to streamline app settings and permissions.

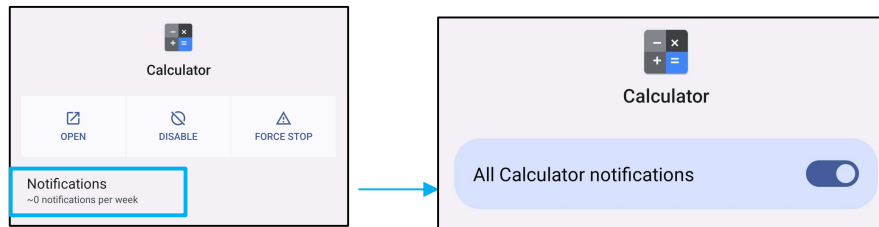
To manage Apps, enter to System Settings  → Apps

Setting notifications

- In the Recently opened apps, tap **SEE ALL APPS** or **App info**.
- From App Info screen tap an App to set the notification (e.g., Android Keyboard).
- In the App property settings, you can also **DISABLE**, **ENABLE**, and **FORCE STOP** the app.

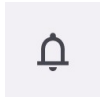


- To enable or disable notifications, tap **Notifications**. Then enable all notifications.



- To add a dot for unread notifications, tap **Allow notification dot**.





Notifications



Notification settings are to streamline app alerts by changing which apps send notifications and how the notifications alert you.

To manage Notifications, enter to System Settings  → Notifications

To manage notifications by app

- Tap **App settings** to control notifications from individual apps.
- Select app.
 - Enable/disable all application notifications or customize notifications by Alerts and Essentials.

Setting device and app notifications

- To give notification access to an app, tap **Device & app notifications** from **Notifications screen** under Privacy.
- In the menu of permission manager, tap an app to manage that app's access (e.g., Google Play services).
- To allow a permission to an application, tap an app from **NOT ALLOWED** menu and allow  notification access.
- To deny a permission to an application, tap an app from **ALLOWED** menu and disable  notification access.

Setting notifications in the lock screen

- To set up notification in the lock screen from Apps and notification screen, tap **Notifications**.
- Tap **Notification on lock screen**. Then follow on-screen instruction on how notifications appear in the lock screen.

Setting Emergency alerts

- Tap **Wireless emergency alerts** from the Notifications screen.

Battery



The battery application monitors the battery's status, performance, and charging state.

To modify Battery settings, enter  [Settings](#) → [Battery](#) →

[Battery Saver](#)

The battery saver turns off, or restricts, background activity, some visual effects, and other high-power features to extend battery life.

Note: The Battery Saver will suspend these features when the device is charging.

- Tap **Battery Saver**.
- To manually enable or disable Battery Saver, tap **TURN ON NOW** or **TURN OFF NOW**.
- In the ON mode, the screen theme display will turn dark and the battery status icon will display this icon .
- To automatically enable Battery Saver in a certain power percentage threshold, tap **Set a schedule**.
- Tap **Based on percentage to** set a power percentage when the Battery Saver feature will enable.
- From the slider bar move the slider right or left to choose the power percentage from 10% to 75%. The default is 10%.
- To do nothing, tap **No Schedule**.
- Enabling  "Turn off when full charged", the Battery Saver turns off when battery is at 90%.

[Battery Manager](#)

When the Battery Manager detects that apps are draining the battery, you will have the option to restrict the application. Restricted apps may not work properly, and notifications may be delayed.

- Tap **Battery Manager**.
- Tap **Use Battery Manager** to enable.

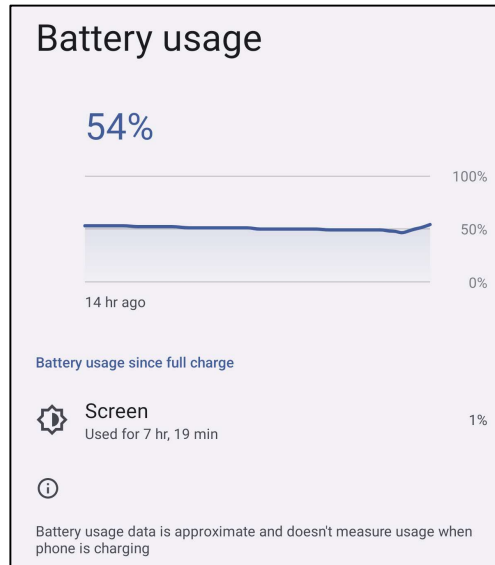
[Battery percentage](#)

This feature will show battery percentage in the status bar.

- To enable and disable, tap **Battery percentage**.

Battery Usage

This feature will show all list of all apps how much battery power they are using.





Display

The Display application manages the screen's display settings.

To modify Display settings, enter  [Settings](#) → [Display](#) →

Auto Idle mode

- Tap **Auto idle mode** to enable  or disable .

Brightness Level

- Tap **Brightness level**.
- Move the slider bar right or left to adjust the screen's brightness.



Night Light Feature

This feature will tint the screen to amber. This makes easier to look at the screen or read in dim light.

- Tap **Nighy Light**.
- Tap **TURN ON**.
- To adjust intensity, move the slider bar right or left.



- To disable, tap **TURN OFF NOW**.

Customizing a time schedule



- Tap **Schedule**.
- Select **Turn on at custom time**.
 - ❖ Tap **Start time** to set the time (for example at 10:00PM).
 - Tap **OK** to execute.
 - ❖ Tap **Enter time** to set the time (for example at 6:00AM),
 - Tap **OK** to execute.

To disable the time schedule

- Tap Schedule.
- Tap None.

Adaptive Brightness

This feature will automatically adjust the screen brightness to your environment.

- Tap **Adaptive Brightness**.
- Tap **Adaptive Brightness** to enable  or disable .

Advanced

Dark theme

- To switch screen theme on dark (black color) or light (white color), tap **Dark** / .

Screen timeout

- Tap **Screen timeout**.
- Select the time limit from the following option.

Screen timeout	
<input type="radio"/> Never	<input type="radio"/> 1 minute
<input type="radio"/> 15 seconds	<input type="radio"/> 2 minutes
<input type="radio"/> 30 seconds	<input type="radio"/> 5 minutes
	<input checked="" type="radio"/> 10 minutes
	<input type="radio"/> 30 minutes

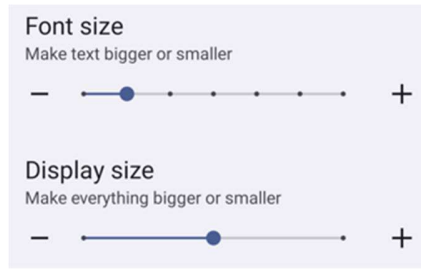
- Tap to save.

Auto-rotation screen

- Tap **Auto-rotation screen** to enable or disable.

Display size and text

- Tap **Display size and text**.
- Move the slider bar to left or right to adjust the font size and display size

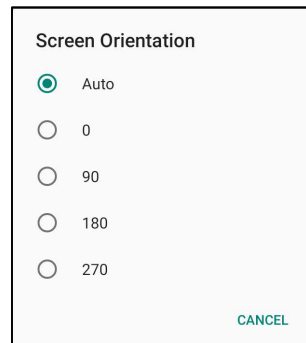


Screen saver

- Tap **Screen saver** to enable the screen saver

Screen Orientation

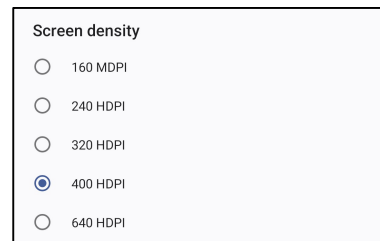
- Tap Screen Orientation.
- Select the orientation from the following option.



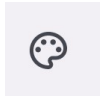
- Tap to save.

Screen Density

- Tap Screen Density.
- Select the density from the following option.



- Tap to save.



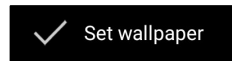
Wallpaper

The Wallpaper application manages the device's wallpaper.

To modify Wallpaper settings, enter to System Settings  → Wallpaper

Wallpaper

- Select a wallpaper from the following options.
 - ❖ Live Wallpapers
 - ❖ Snapdragon Gallery → Download – Picture – Screenshot
- Select an image or picture you want as a wallpaper from the folders.
- Tap Set Wallpaper.





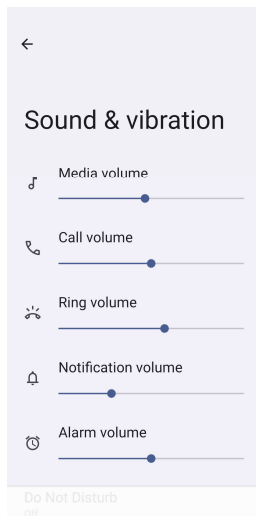
Sound & Vibration

The sound & vibration application is to manage audio, vibration and Do not Disturb features.

To modify settings, enter  [Settings](#) → [Sound & vibration](#) →

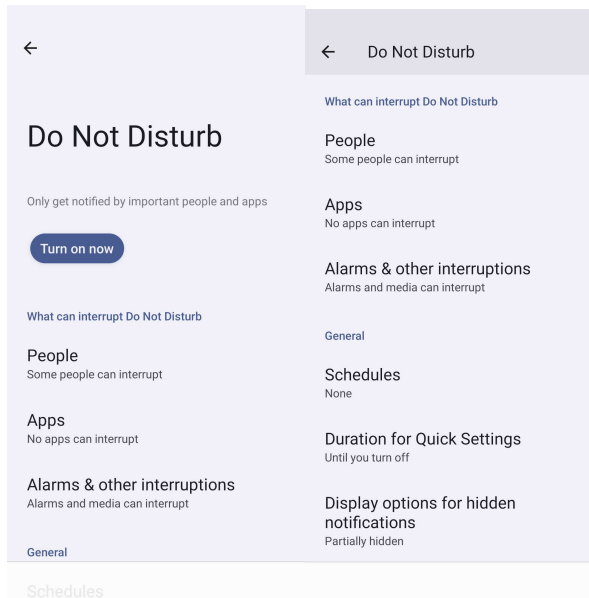
Volumes

- To decrease or increase the following sound volume, drag slider left or right.




Do not Disturb

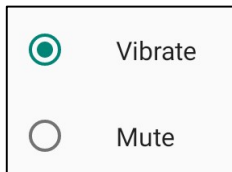
- **Tap Do not Disturb.**
- Tap **TURN ON NOW**, to enable Do not Disturb,
 - ❖ To manage settings, tap a feature you wish to manage and follow on-screen instructions to complete the set up.



- To disable, tap **TURN OFF NOW**

Prevent Ringing

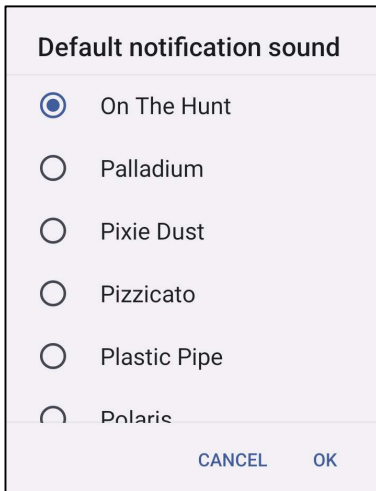
- Tap Shortcut to prevent ringing.
- Tap toggle switch to  enable.
- Select from the following options.



- To disable , tap toggle switch.

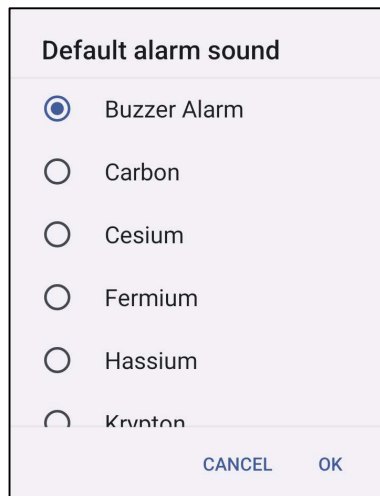
Default Notification Sound

- Tap **Default notification sound**.
- Select a sound from the list (e.g. Pixie Dust) and tap **OK** to save.



[Default Alarm Sound](#)


- Tap **Default Alarm sound**.
- Select an alarm sound from the list (e.g. Cesium) and tap **OK** to save.

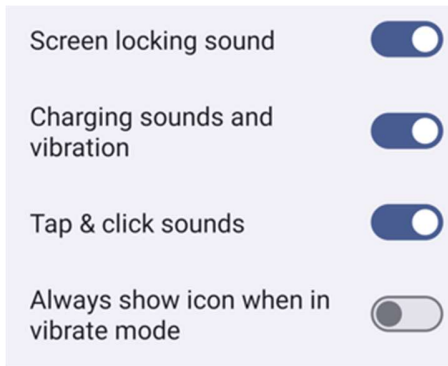


[Screen locking Sound](#)

- To enable  or disable , tap Screen locking Sounds.

[Advanced](#)

- To enable  or disable  on the following features below, tap a feature.



Storage



To manage Storage, enter  [Settings](#) → [Storage](#) →

[Storage](#)

- To check the status of internal memory storage, tap storage.

Storage Manager


This feature is to help free up storage space, storage manager removes backed up photos and video from the device.

- To enable  or disable , tap Storage manager.
- To make changes to set days on removing photos and videos, tap Remove photos & Videos.
- Select from the options below.

Over 30 days old
Over 60 days old
Over 90 days old

- Tap Recent App to exit.

SD card

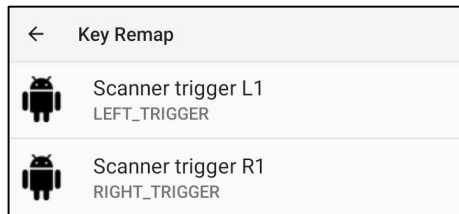
- To manage SD card, tap SD card.
- To safely eject SD card, tap  eject.
- To remount the SD card, tap SD card.
- Tap MOUNT.

Key Remap

The Key Remap applications allows you to program the left and right function buttons from controlling the device volume, barcode reader trigger and other hardware buttons.

To modify the settings, enter  [Settings](#) → [Elo Settings](#) → [Key Remap](#) →

From the settings, tap an Icons you wish to manage.



To program “**Left Function Button**” for barcode left trigger choose “**Scanner trigger L1**”.

To program “**Right Function Button**” for barcode Right trigger choose “**Scanner trigger R1**”.

Wakeup Source

The Wakeup Source applications allows you to program the “Left, Right Trigger buttons and Touch Screen” to wake up the device from sleep or idle mode.

To modify the settings, enter  [Settings](#) → [Elo Settings](#) → [Wakeup Source](#) →



Tap to Enable (Checked) or Disable (Unchecked).



Security & Privacy

The security & privacy application is to manage App security, device lock and permissions.

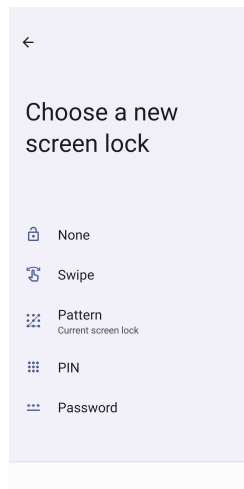
Security

App Security

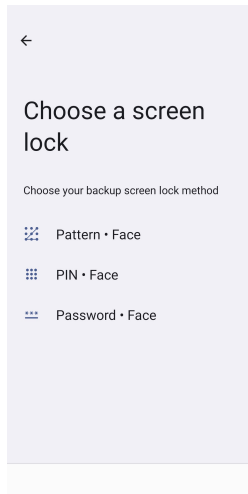
- Tap App Security.

Device Unlock

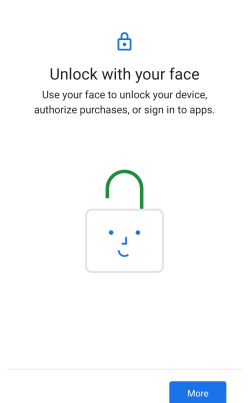
- Tap Device Unlock to manage screen lock, face unlock.
- Screen lock
 - Choose a new screen lock



- Follow the instruction to set the screen lock
- Face Unlock
- Choose a screen lock



- Unlock your face



- Follow the instruction on the screen to set up Face Unlock

Account security

- Tap account security
- To set the security checkup and password checkup.

Device Finders

- Tap Device Finders
- To set **find my device**, to enable use Find My Device



- To set **Unknown tracker alerts**, to enable Allow alerts



System & updates

- Tap **Systems & updates**
- To set the system update and backup

Privacy

The Privacy application is to give you control over what permissions of applications can have.

Permission Manger

This is to grant permission of an App that uses storage, phone, and location etc.

- To manage permissions to an app, tap **Permission manager**.
- From the menu of permission manager, tap a permission type which you wish to manage (**e.g. Camera**).
- To change an app's permission, tap the app, then choose your permission settings
- To change the permission setting, tap it, then choose **Allow** or **Don't allow**.
- You may be able to choose

All the time: For location only. The app can use the permission at any time, even when you're not using the app.

Allow only while using the app: The app can use the permission only when you're using that app.

Ask every time: Every time you open the app, it'll ask to use the permission. It can use the permission until you're done with the app.

Don't allow: The app cannot use the permission, even when you're using the app.

Privacy dashboard

This shows which apps recently used permissions

[Ads](#)

Manage device data used to show your ads.

[Data sharing updates for location](#)

Review apps that changed the way they may share your location data

[More security & privacy](#)

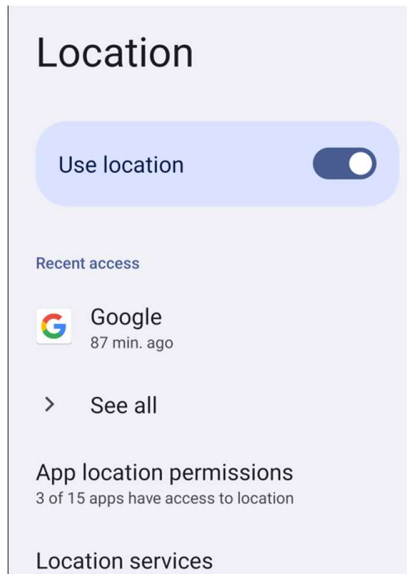
Supports additional security and privacy settings like app pinning and notifications on lock screen.



Location

To modify Locations settings, enter  [Settings](#) → [Location](#)

- Tap Location.
- To enable or disable, tap Use location



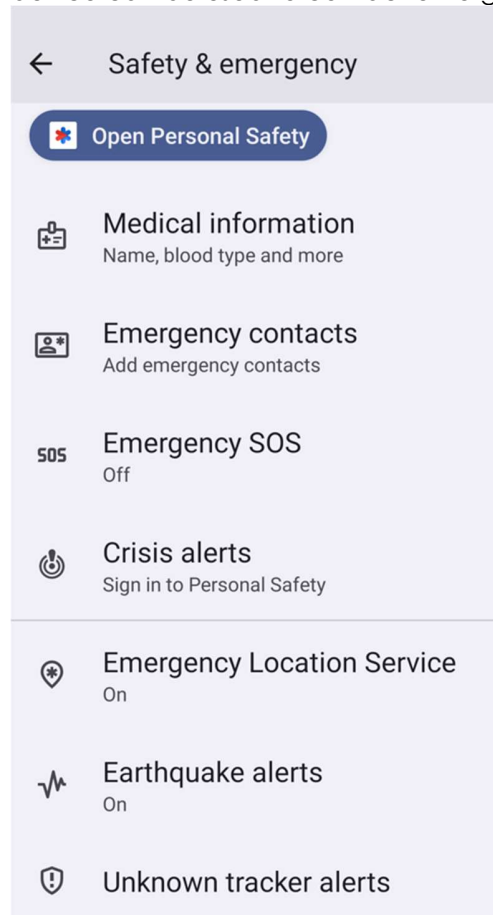
- For apps have requested location recently, **tap See all.**
- To update permission, tap **App location permissions.**



Safety & emergency

To modify Safety & emergency settings, enter  [Settings](#) → [Safety & emergency](#)

- To create an emergency contact and register medical information for quick and easy access. In the event of an emergency, the device can be used to contact emergency contacts and view important medical information to help aid in an emergency.





Passwords & accounts



To add an account, enter  [Settings → Passwords & accounts](#)

- To set up an account, tap + Add account.
- Enter an email account.
- Enter an Account type you want to add (PERSONAL - POP3 or PERSONAL – IAMP).
- Follow the on-screen instructions to complete the setup.

Accessibility

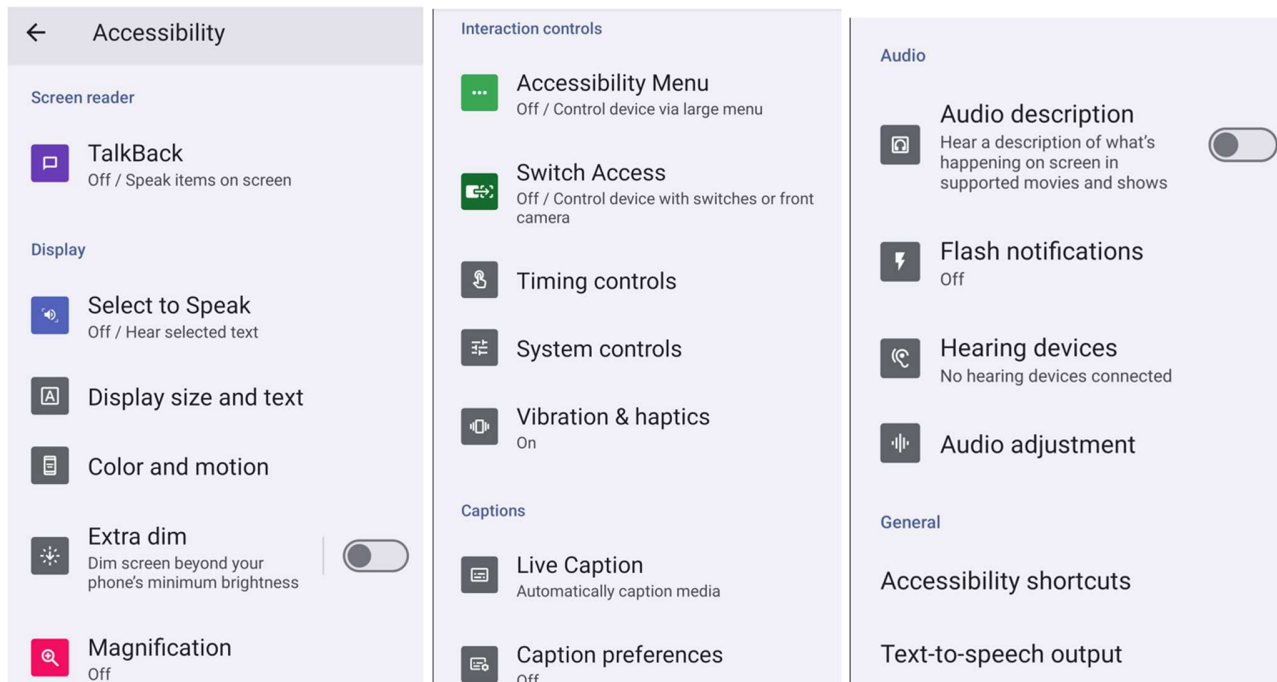
The Accessibility is a large on-screen menu to control Elo Mobile Computer Android device. You can control display, audio & on-screen text and more.

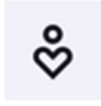
To modify settings, enter  [Settings → Accessibility](#)

- From the menu, select a feature to change the setting.
- To enable  or disable , tap the feature.
- To adjust slide bar, drag slider right or left.



- For other settings, tap the feature and follow the on-screen instruction to complete the setup.




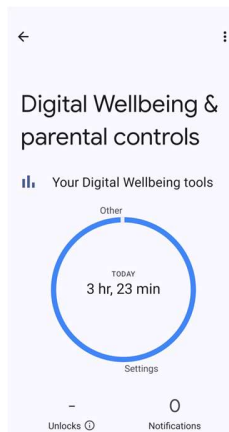


Digital Wellbeing & parental controls

Manage how you spend time on your Android phone with Digital Wellbeing and you can add content restrictions and set other limit to help your children balance their screen time

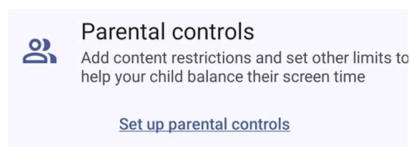
To modify settings, enter  [Settings](#) → [Digital wellbeing & parental controls](#)
[Set up Digital Wellbeing](#)

- Open your device's Settings app.
- Tap Digital Wellbeing & parental controls.
- Tap More  > Manage your data



Parental controls

Tap set up parental controls.

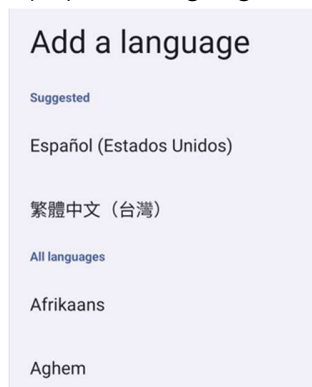




System

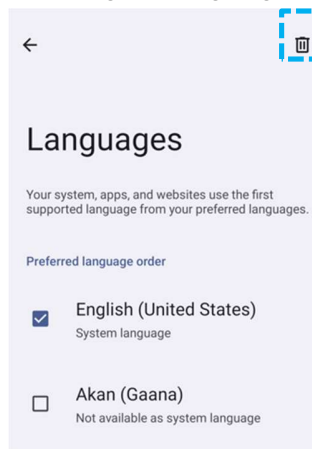
To modify settings, enter  [Settings](#) → [System](#) →

[Languages](#)

- To change language, tap Languages
- Tap system languages and + Add a language, then choose from the list of languages to add (e.g. Espanol).



- After choosing a language, tap  3-dots menu then tap Remove.
- To change a language e.g. from English to Espanol, tap English then tap .





- Tap remove to remove selected language.

Gestures

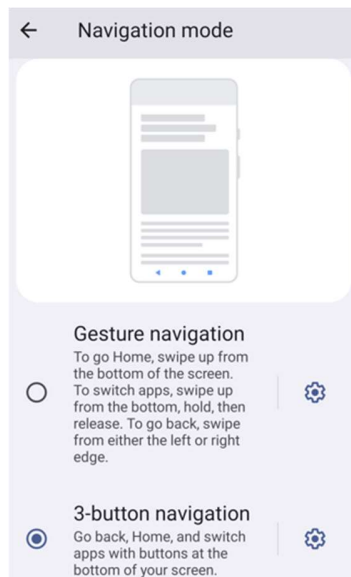
- Tap Gestures.

camera gesture

- Tap Quickly open camera
- Tap button to enable  or disable .
- ❖ When set to enable, pressing the power button twice will activate the camera.

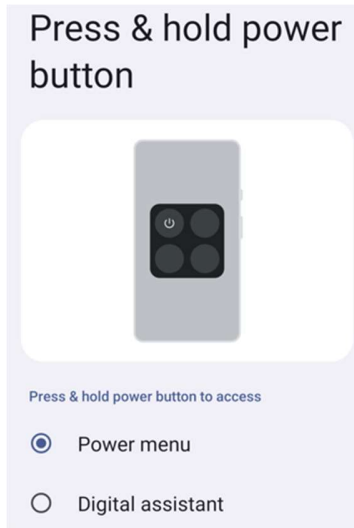
Navigation mode

- Tap navigation mode to select gesture navigation or 3-button navigation.



Press & hold power button

- Tap press & hold power button to access power menu.



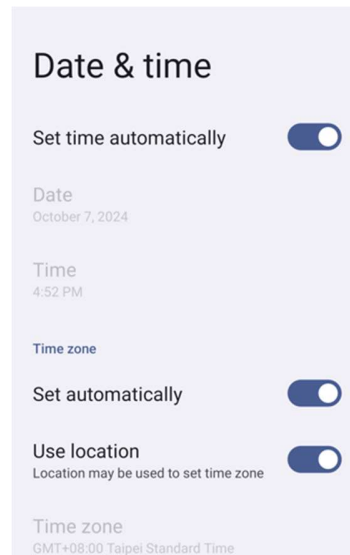
Prevent ringing

- Tap prevent ringing to enable the vibrate.

Date & Time

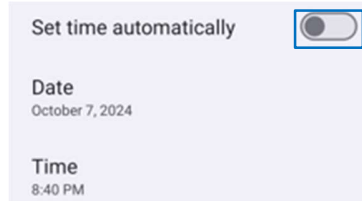
Note: The recommended setting for “**Date and Time**” is to use, “**Set time automatically**”.

And for **Time zone** when is set to “**Set time zone automatically**”, and “**Use location to set time zone**”.

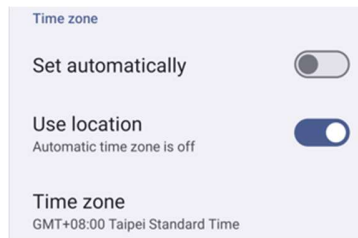


For manual settings:

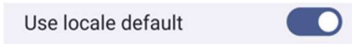
- To set time and date, tap **Date & Time**.
- Tap **Set time automatically** to disable.
- Tap **Date** then enter date.
- Tap **Time** then enter time.



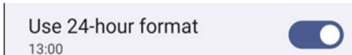
- To set time zone, tap **set automatically** to disable and select your **time zone**.



- To set to 12 hours format, tap Use locale default.



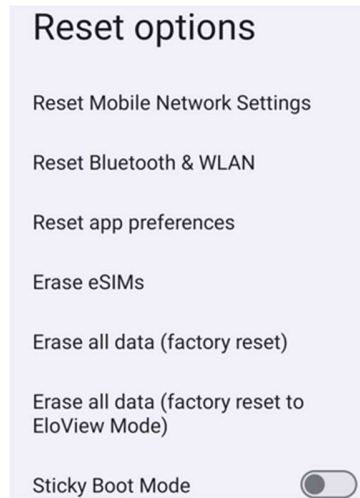
- To set 24 formats, tap Use 24-hours format.



Advanced

Reset options

- To select a following option to reset, tap **Reset options**.
- From the list, select an item to reset then tap to execute and follow on-screen instruction.

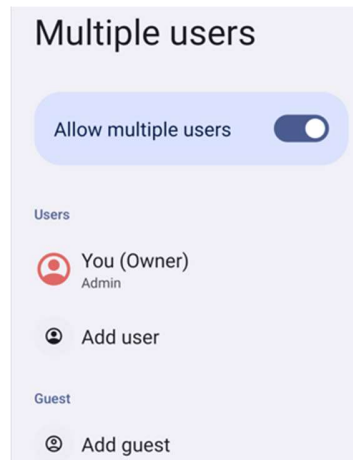


Multiple users

- Tap Multiple users.
- Tap toggle switch to ON.

To switch users

- Tap a user or name from the following option.




To add user


Note: only admin can add users.

- Tap **Add user**
- To set up apps and contents for the user, tap **User**.
Follow on-screen instructions to complete account set up.
- To set up restriction access to apps and content for the users, tap **Restricted profile**.
Follow on-screen instructions to complete account set up.

To delete guest from the device

- Tap  3-dot menu from **Multiple Users** screen.
- Tap **Delete Guest** from this device.

To rename Admin Profile info

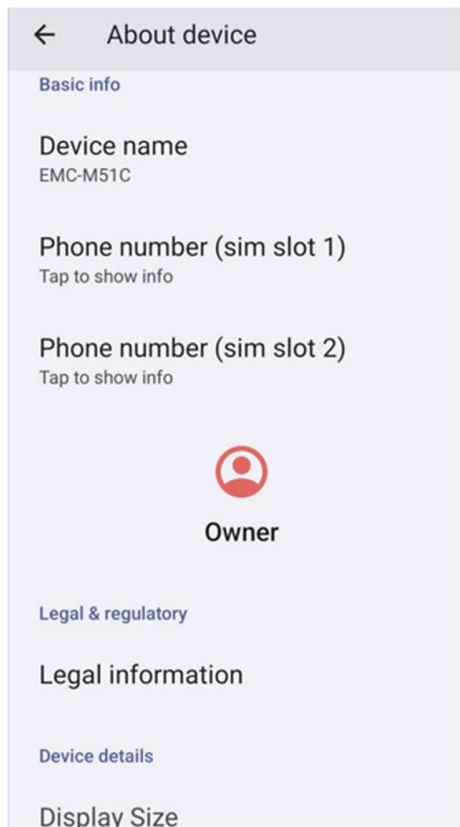
- Tap  admin
- Enter the name.
- Tap **OK** to save.



About Device

For viewing specific information of mobile computer.

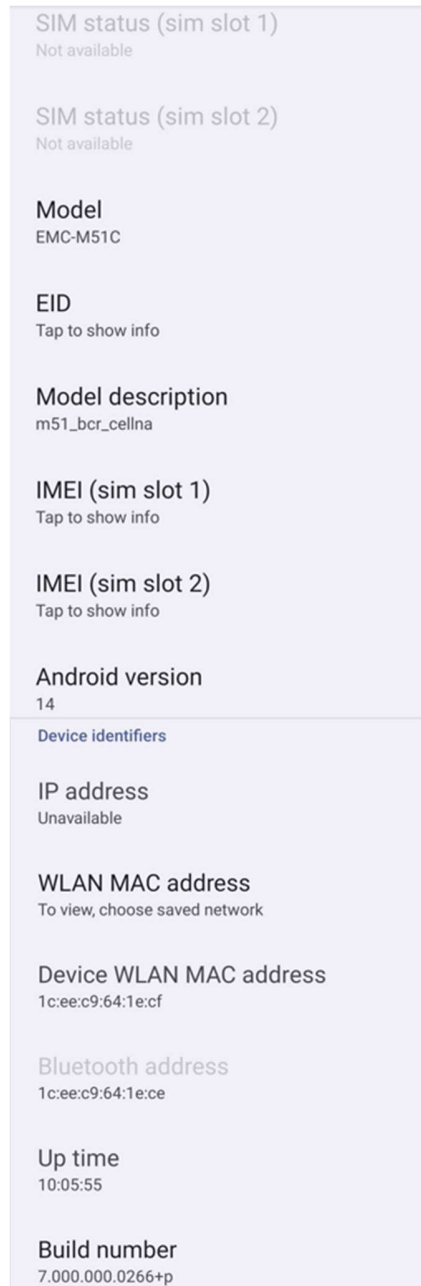
To view and modify settings, enter  [Settings](#) → [About Device](#)



- Tap once to change the device name.

- Tap once to view.

- Tap once to view Legal Information




- Tap once to view SIM status.
- Tap once to view Model, Hardware and Serial number information.
- Tap once to view EID information
- Elo M51 Model description.
- Tap once to view IMEI information – IMEI and IMEI SV.
- Tap once to view Android version, Security, Google Play system update, Baseband version, Kernel version and Build number.
- IP address/WLAN/Bluetooth address information.
- Bluetooth address information.
- Total time when mobile computer, is in operation.

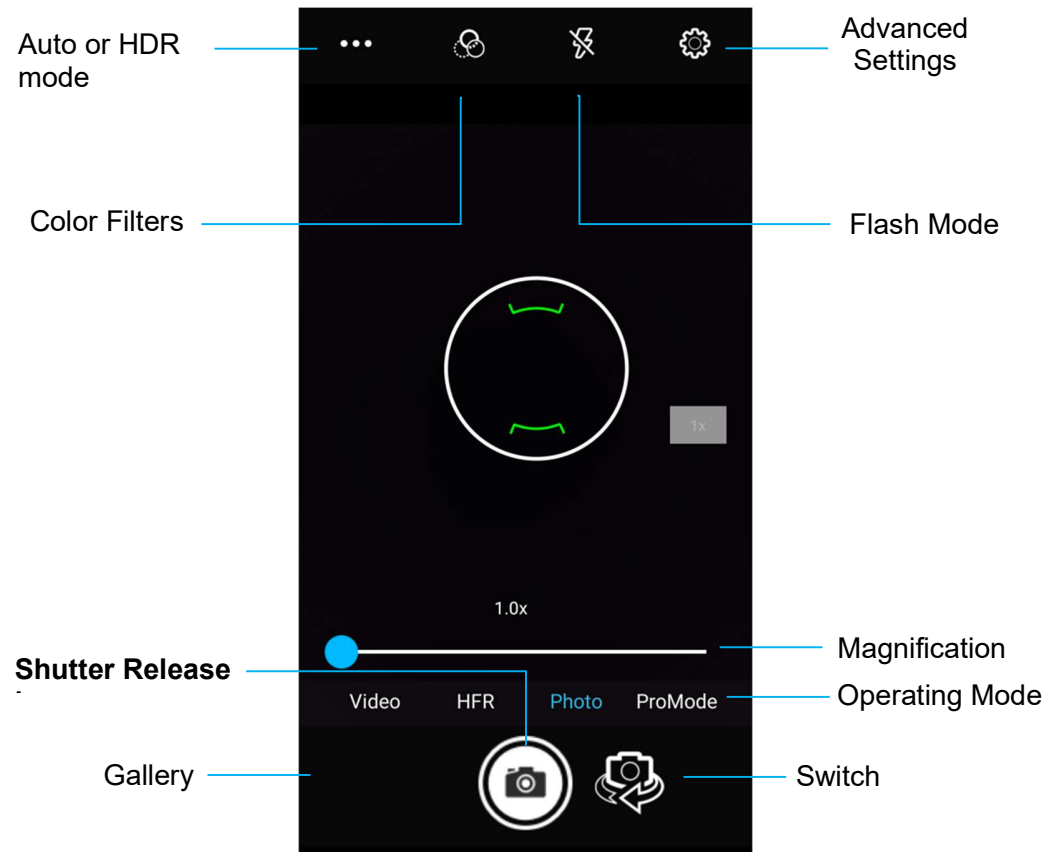
Section 4 Operation

About Camera App (Snapdragon)

Take a Picture and Record Video

- Tap  Snapdragon camera app to access the Digital camera.
- To change camera and video settings, see features.

Camera Features



Switch - A switch between front and rear camera

Flash mode - For flash control. Options include Auto, On, Off.

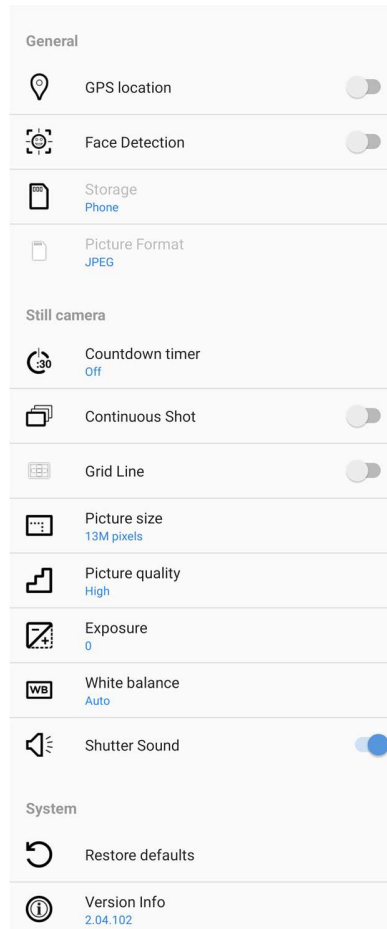
Color Filter - For photo effect. Options include Mono – Sepia – Negative – Solarize – Posturize – Aqua.

HDR - High Dynamic Range. The camera will process photos slightly differently than normal to capture greater detail from bright and dark areas in your photo.

Shutter Release - For taking picture.

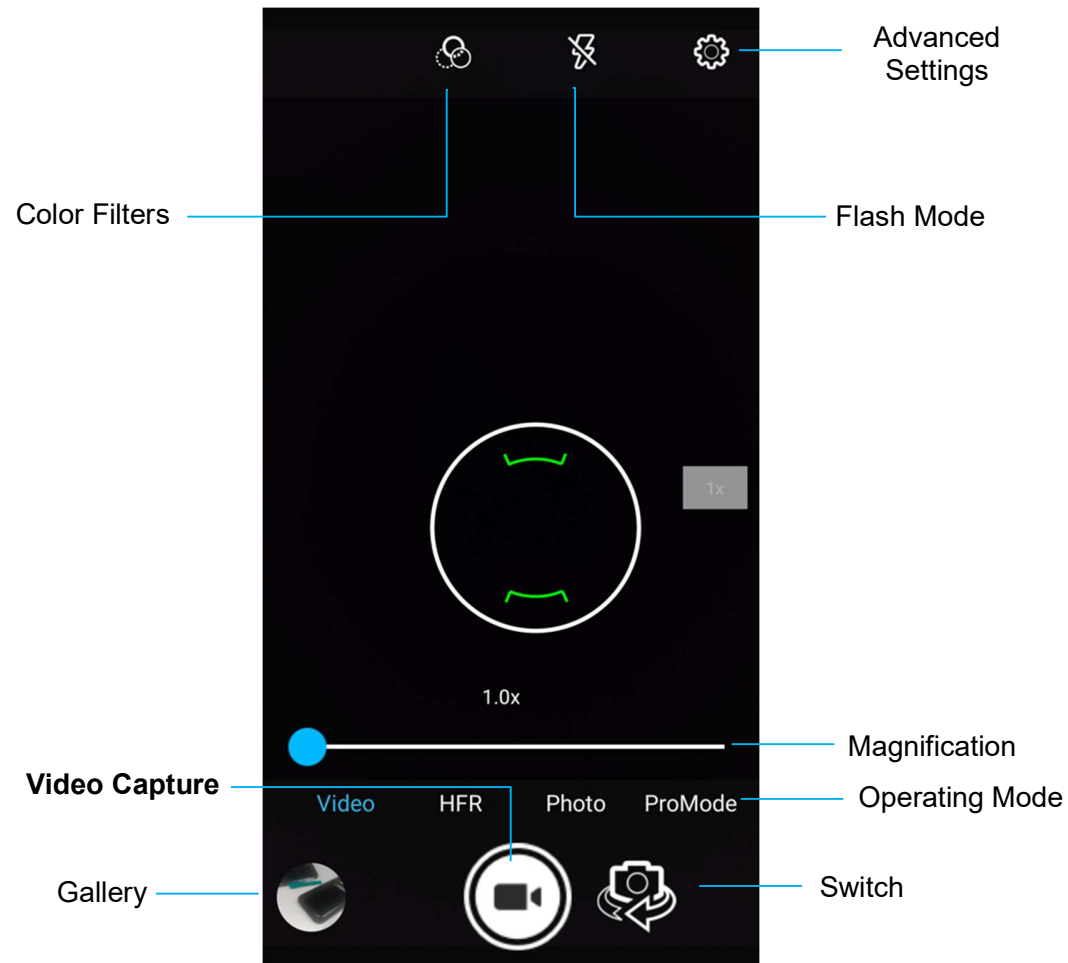
Gallery – For viewing captured picture.

Advanced Settings



- For showing location information in an image to show the photographer where the camera was when the photo was taken.
- For detecting faces in the images and recognize them to automatically adjust focus and exposure.
- For managing photos and videos where to save.
- For changing the file format of picture.
- Is a timer that gives a delay between pressing the shutter release. It is most used to let photographers to take a photo themselves (often with family), hands free.
- For taking multiple photographs to be taken within a short timeframe and in rapid succession.
- For changing picture resolution.
- For enhancing photos and images.
- Exposure is the amount of light which reaches your camera sensor. It is a crucial part of how bright or dark your pictures appear.
- For eliminating the discoloration in an image due to certain colors in the scene having more intensity and/or a higher or lower "temperature".
- Play a tone when taking a picture.

Video Features



Switch - A switch between Video, Camera and Panorama.

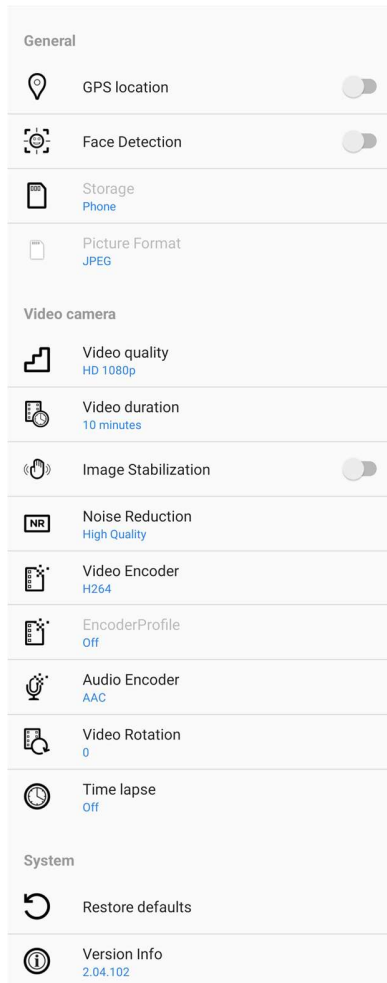
Color Filters - For video effect. Options include: Mono – Sepia – Negative – Solarize – Posturize – Aqua – Emboss - Sketch -Neon.

Video Capture - For capturing video.

Flash Mode - For setting flash mode on video.

Gallery – For viewing captured videos.

Advanced Settings

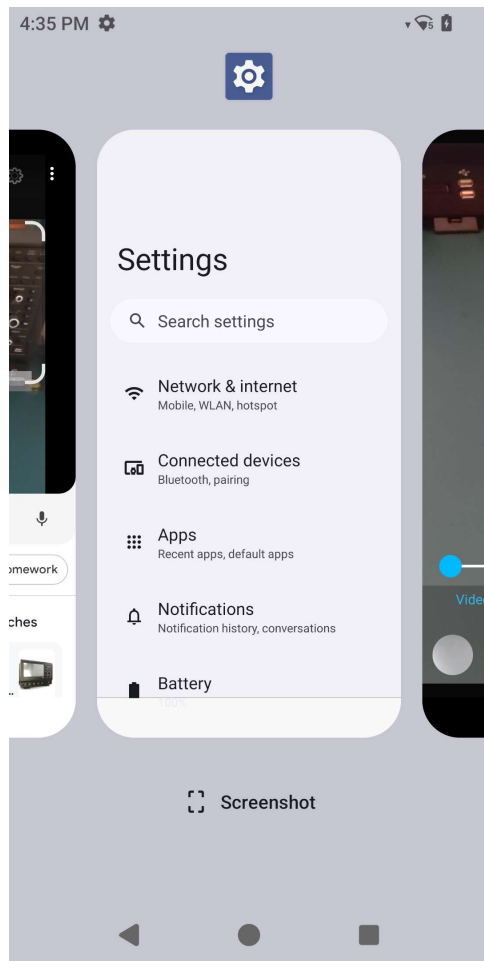


- To help illuminate a scene or an object when taking video.
- For changing video resolution.
- Is an auto timer to stop video recording without pressing video capture Icon.
- For showing location information in a video to show the videographer where the video camera was when the video was taken.
- For managing photos and videos where to save.
- For eliminating the discoloration in a video due to certain colors in the scene having more intensity and/or a higher or lower “temperature”.
- For adjusting frequency (Frame Per Seconds).
Note: 120fps, and higher frame rates are used for recording video to be played back in slow motion.
- To help stabilize a video recording on a shaky video camera.

Take a Screenshot

For capturing an image of the screen. The device will automatically save the image in the  File folder application.









- To take a screenshot, press and hold Power and Volume Down buttons together.
- Or press the square icon at the bottom right hand of the screen, then select which one of the open screens you want a screenshot from and press screenshot at the bottom of the screen under the screens currently open.





About File Application

The File Manager app helps to manage, delete, print, shares and transfer files between the mobile storage and a computer.





To access pictures, videos, screenshots, audios, downloads, and mobile internal / external storage, go to application drawer.


- Tap  file application from the application drawer.
- Tap  3 lines menu and choose one of the following options.
- Tap  Image Icon for pictures and screenshots.
 - ❖ Tap Camera folder for photos.
 - ❖ Tap Screenshots folder for screenshot images.
- Tap  Video for recorded videos.
 - ❖ Tap Camera folder.
- Tap  Audio for recorded audios.
- Tap  for Downloaded items.
- Tap  for mobile internal storage folders.
- Tap  for mobile external storage folders.

Delete Files

- To delete files from the folders above, press and hold an item or tap  3 dots menu to select all items in the folder.
- Tap  to delete.
- Tap OK to confirm.





Copy and Move Files

- To copy or move files into new location press and hold an item from the folders above or tap  3 dots menu to select all items in the folder.
- Tap  3 dots menu again and choose “Copy to” or “Move to”.
- Tap  3 lines menu and choose from the following options where you want to move or copy the item.
- To create a new folder, tap  3 dots menu.
- Rename the folder.
- Tap Copy or Move to confirm.

- Print File
- Note: To print you must set a printer. See Android Settings → Connected device → Print.
- To print files from the folders above, tap an item once.
- Tap  3 dots menu and tap Print.

Share Files

Note: Make sure both devices Bluetooth are paired. See Connected devices → Bluetooth on this user manual.

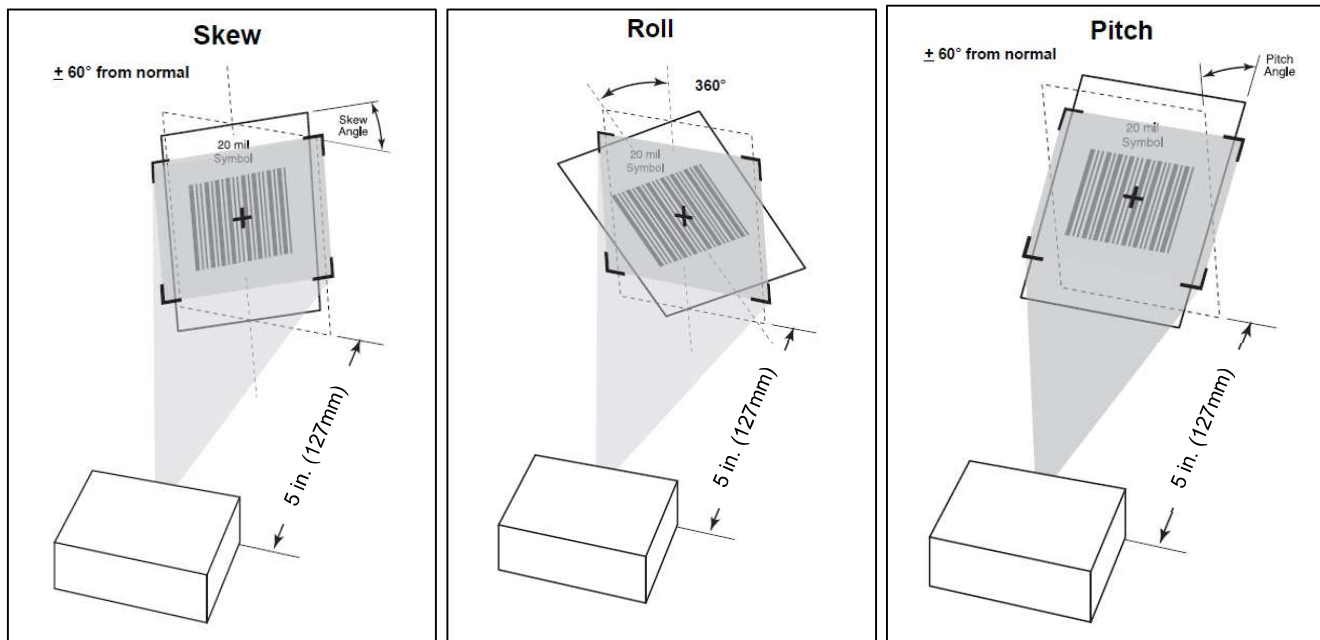
- To share files from the folders above, press and hold an item.
- tap  share icon.
- To share via Bluetooth, tap  Bluetooth icon.
- To share via Email, tap  email icon
- For more options hold an item from the folders above.
- Tap  3 dots menu and choose from the following options and follow on-screen instructions.

About Imager Engine / Barcode Reader (Scanner SKU Only)

Elo mobile computer uses a sub-miniature imager engine. The sub-miniature area imager engine optimized for bar code reading. The engine captures digital images of a bar code for transmission to a decoder to decode a 1D or 2D bar code of any format supported by the decoding software. The imager engine includes an LED aiming system, and an LED illumination system.

Imager Technical Specification

Item	Description
Imaging Sensor <ul style="list-style-type: none">• Image Resolution• Field of View (FOV)	1280 X 960 pixels 44.5° horizontal, 33.5° vertical
Focal Distance	From Front of Engine 6 inches
Skew, Pitch & Roll	Skew Tolerance: $\pm 60^\circ$ Pitch Tolerance: $\pm 60^\circ$ Roll Tolerance: 360°
Aiming LED	Green LED
Illumination	1 Warm-White LED



Imager Decode Ranges

- Trigger Level Mode Working Decode Ranges

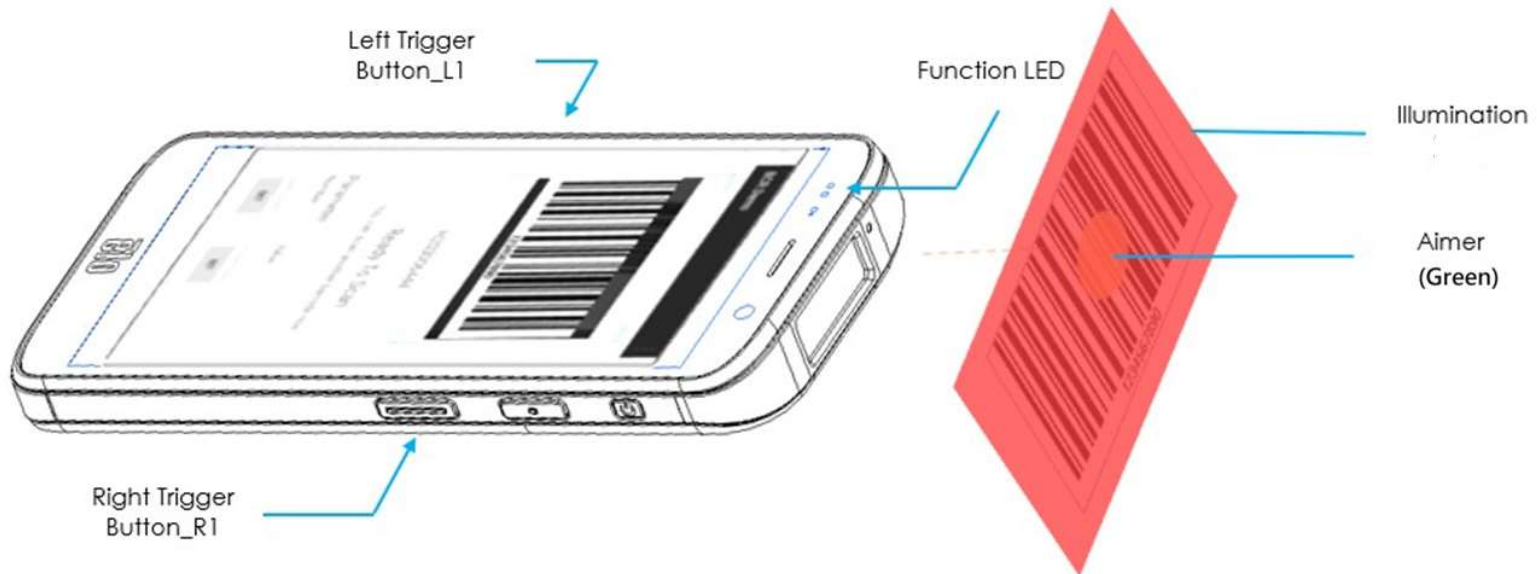
Barcode Type	Near Distance Typical	Far Distance Typical
5 mil Code 128	2.8 in / 7.1 cm	9.0 in / 22.9 cm
5 mil Code 39	2.4 in / 6.1 cm	9.5 in / 24.1 cm
6.67mil PDF417	2.4 in / 6.1 cm	8.0 in / 20.3 cm
10 mil Data Matrix	2.9 in / 7.4 cm	8.5 in / 21.6 cm
100% UPCA	1.8 in / 4.6 cm	19.5 in / 49.5 cm
15mil QR	1.2 in / 3.0 cm	11.5 in / 29.2 cm
20 mil QR	1.2 in / 3.0 cm	14.0 in / 35.6 cm

Barcode Scanning using Barcode Reader

To test the functionality of the scanner, open **(Elo ScanConfig)** from the application drawer. The App will allow to enable the imager, decode the barcode data, and display the barcode content.



Note: To set up the “**Function buttons**” as a barcode “Trigger”, go to **Android Settings → Elo Settings → Key Remap**.

- To start scanning, aim the imager at a barcode.
- Press once either of the trigger button
- During scan by default the aimer and illumination will turn ON to assist in aiming.
- When the barcode is successfully decoded, by default a beep sound will turn ON, function LED will luminate blue, display the barcode content and a picture of the barcode.



Scanning QR code with Integrated Camera

To test the functionality of the camera for reading QR code, open (Camera / Snapdragon app) from application drawer. The App will allow to enable the camera as imager, decode the barcode data, and display the barcode content.

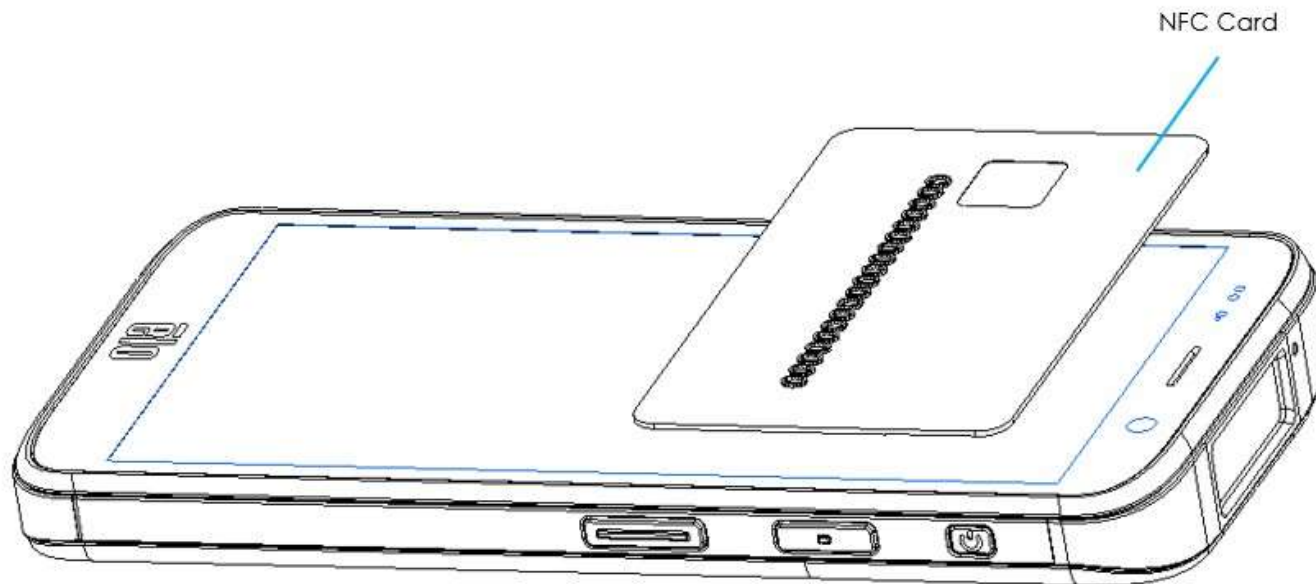
- Open the camera application (Snapdragon).
- Take a photo of the following QR code below.
- Tap the photo gallery at lower left corner.
- Below the QR code picture, tap the QR icon .
- Tap the content of the QR code 
 - After tapping the content (www.elotouch.com), the website will open.



Reading NFC Tag

To test the functionality of the NFC, set the NFC to enable, go to Android Setting  → Connected Device → Connection preferences → NFC. Load a 3rd party NCF application e.g. TagWriter.

- To start reading NFC tag, open (TagWriter APK) or depending which application is installed
- Tap "Read Tags".
- When device is ready to read, place the card and touch the back of the device.
- When the NFC card is read by default a beep sound will turn ON and display the NFC content.




About Cellular Phone - (5G/4G LTE/3G) (M51C WWAN SKU only)

Supported Carriers Bands

Cellular	<p>NA SKU: E450425, E450619 5G FR1: n2/5/12/25/30/38/41/48/66/71/77/78. 4G: B2/4/5/12/13/14/17/25/29/30/38/41/42/43/46/48/66/71. 3G: B2/4/5. Carrier: AT&T certified</p> <p>EU SKU: E450052, E450234 5G FR1: n1/3/7/8/28/38/41/77/78/79. 4G: B1/2/3/5/7/8/20/26/28/38/39/40/41. 3G: B1/5/8. Carrier: Open</p>
----------	---

About Android Debug Bridge (ADB) control

Elo Mobile computer device supports debugging via Wi-Fi/Ethernet or using the USB cable,
[Set Mobile computer to \(Developer\)](#)

- Enter Android  Settings → About Device → Build Number.
- Tap Build Number 7 times to enter developer mode.
- Go back to the  Settings → System and you will see “**Developer Options**”.
- From Developer options on- screen display, enable the option called “**USB debugging**”.

To connect via Wi-Fi

Ensure that your computer is online and not behind a firewall.

- Find the IP address (by going to  **Settings** → **Network & Internet** → **WLAN** → Tap the active **connection** → **Advanced** → **IP Address**.
- On your host computer, use the command ADB connect <IP address> to be able to perform ADB actions.

To connect via USB, perform the following steps


- Ensure the USB cable is not connected to the mobile computer.
- From the settings, enter Developers Options
- Turn on the “Enable USB Debugging” option
- Plug USB cable (type C) side into the computer device and (type A) to host PC.
- In the host PC, input “ADB devices” to check if the Elo Mobile Computer serial number shows up. If it is there, then you have connected successfully.

About Elo Mobile Factory Full Reset

A full factory reset should only be performed if all other recovery methods have failed and all other troubleshooting options. Performing a full factory reset results in loss of data. This option will recover the original factory image state by erasing all data in the main storage on the Elo handheld computer.

Note: Performing a factory reset on **Android bootloader menu**, if you added a Google Account to Elo handheld Computer make sure you have your Google credential (Username and password) associated with the Elo handheld computer. If you don't have it you will not be able to use the device after reset. This is a security measure that prevents unauthorized users from using the device if they do a factory reset on the Android bootloader menu.

To Reset

- Enter Android  **Settings** → **System** → **Advanced** → **Reset Options**.
- Tap **Erase all data**.
- Under **Erase all data (factory reset)** or **Erase all data (factory reset to EloVidew Mode)**, tap **Erase all data**.
- Under **Erase all data?**, tap **Erase all data**.
- When successfully done, the device will auto-reboot.

Section 5: Maintenance

Elo M51 Mobile Computer Care and Handling

The following tips will help maintain optimal performance of your Elo M51 Mobile Computer:

- To prepare for cleaning the touchscreen, power down the device (if possible), or ensure your on-screen software can tolerate false touches while you clean.
- Do not get liquids inside the unit. Do not spray the Elo product directly. Instead, use wet wipes, a sprayed cloth or a dampened cloth with the excess moisture squeezed off.
- Select only non-abrasive cleaning wipes or cloths to avoid scratching touchscreens.
- Avoid highly concentrated alcohol (> 70%), non-diluted bleach or ammonia solutions, as these may cause discoloration.
- Wipe the surfaces with the appropriate wipes or cloths and approved cleaning products and allow them to dry.
- For additional cleaning methods, recommended cleaning and disinfectant solutions, please visit <https://myelo.elotouch.com/support/s/>

Section 6: Elo Service and Support

Technical Assistance

Technical Specifications

visit www.elotouch.com/products
for technical specifications for this device

Support

visit www.elotouch.com/support for technical support

Refer to last page for worldwide technical support phone numbers.

Note: Customers outside the United States are advised to contact their local representatives for assistance regarding service, return, or replacement of terminals.

Returning a Terminal for Service

Elo recommends contacting technical support for troubleshooting before proceeding with returns. After it is determined a product repair is required, visit the Elo website to access the online RMA portal. All products must have an RMA number before being returned to Elo. The product Serial Number will be required to obtain an RMA.

Visit <https://myelo.elotouch.com/support/s/> and Navigate to the Product Returns and Repairs section or directly access the RMA Portal by visiting <http://portal.elotouch.com/>

Note: Before returning a M51 mobile computer to Elo, you must obtain an RMA number. The following procedure describes the RMA process for how to return one or more Elo M51 terminals for repair or replacement.

1. **Get the product PN and SN from the printed labels on the back of each Elo M51 terminal to be returned.**
2. **Obtain the RMA number(s) by completing the following.**
3. **Describe the problem(s).**
4. **Provide the shipping address where the repaired or replacement unit to be returned.**
5. **Keep a record information and documentation related to the RMA.**

Section 7: Regulatory Information

Electrical Safety Information

Compliance is required with respect to the voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified herein will likely result in improper operation, damage to the equipment, or pose a fire hazard if the limitations are not followed.

There are no operator serviceable parts inside this equipment. There are hazardous voltages generated by this equipment which constitute a safety hazard. Service should be provided only by a qualified service technician.

Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment to mains power.

1. Never open the equipment. For safety reasons, the equipment should be opened only by qualified skilled person.
 2. The equipment's power supply cord shall be connected to a socket-outlet with earthing connection.
 3. This product is intended to be supplied by a UL listed (Certificate) power supply, output rated 9Vdc/5Vdc/24Vdc, 3A minimum, Tma 50 degree C minimum and altitude 5000m, if need further assistance, please contact manufacture or UL File owner or brand owner further information.
 4. Replacement of a battery with an incorrect type that can defeat a safeguard
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.

Emissions and Immunity Information

Notice to Users in the United States:

FCC

§ 15.19 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 of the device.

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

§ 15.105 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.

This equipment should be installed and operated to ensure a minimum of 20 cm spacing to any person.

Notice to Users in Canada for IC compliance: This equipment complies with the Class B limits for radio noise emissions from digital apparatus as established by the Radio Interference Regulations of Industrial Canada.

CAN ICES3 (B)/NMB3(B)

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil est conforme aux limites d'exposition DAS incontrôlée pour la population générale de la norme CNR-102 d'Industrie Canada et a été testé en conformité avec les méthodes de mesure et procédures spécifiées dans IEEE 1528 et IEC 62209. Cet appareil doit être installé et utilisé avec une distance minimale de 20 cm entre l'émetteur et votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

Notice to Users in the European Union: Use only the provided power cords and interconnecting cabling provided with the equipment. Substitution of provided cords and cabling may compromise electrical safety or CE Mark Certification for emissions or immunity as required by the following standards:

This Information Technology Equipment (ITE) is required to have a CE Mark on the Manufacturer's label which means that the equipment has been tested to the following Directives and Standards: This equipment has been tested to the requirements for the CE Mark as required by EMC Directive 2014/30/ EU as indicated in European Standard EN 55032 Class B and the Low Voltage Directive 2014/35/EU as indicated in European Standard EN 62368-1.

General Information to all Users:

This equipment generates, uses, and can radiate radio frequency energy. If not installed and used according to this manual the equipment may cause interference with radio and television communications. There is, however, no guarantee that interference will not occur in any particular installation due to site-specific factors.

1. In order to meet emission and immunity requirements, the user must observe the following:
 - a. Use only the provided I/O cables to connect this digital device with any computer.
 - b. To ensure compliance, use only the provided manufacturer's approved line cord.
 - c. The user is cautioned that changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. If this equipment appears to cause interference with radio or television reception, or any other device:
 - a. Verify as an emission source by turning the equipment off and on. If you determine that this equipment is causing the interference, try to correct the interference by using one or more of the following measures:
 - i. Move the digital device away from the affected receiver.
 - ii. Reposition (turn) the digital device with respect to the affected receiver.
 - iii. Reorient the affected receiver's antenna.
 - iv. Plug the digital device into a different AC outlet so the digital device and the receiver are on different branch circuits.
 - v. Disconnect and remove any I/O cables that the digital device does not use. (Unterminated I/O cables are a potential source of high RF emission levels.)
 - vi. Plug the digital device into only a grounded outlet receptacle. Do not use AC adapter plugs. (Removing or cutting the line cord ground may increase RF emission levels and may also present a lethal shock hazard to the user.)

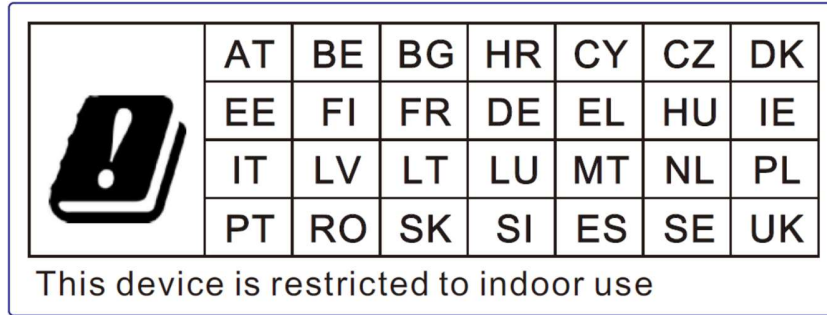
If you need additional help, consult your dealer, manufacturer, or an experienced radio or television technician.

Radio Equipment Directive

Elo hereby declares that the radio equipment type, Elo Mobile Computer, is in compliance with Directive 2014/53/EU. The full

text of the EU Declaration of Conformity is available at the following internet address: www.elotouch.com

This device is designed and intended for indoor use only.



ECC/DEC/ (04)08:

The use of the frequency band 5150-5350 MHz is restricted to indoor operation because of the protection requirements of satellite services

EC R&TTE Directive EU Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC Text with EEA relevance.



Identification mark the relevant technical documentation is held at: Elo Touch Solutions, Inc. 670 N. McCarthy Boulevard Suite 100 Milpitas, CA 95035 USA

USA FCC ID:

M51: RBWEMCM51

M51C: RBWEMCM51C

Canada IC ID:

M51:10757B-EMCM51

M51C: 10757B-EMCM51C

Agency Certifications

The following certifications and marks have been issued or declared for this peripheral:

- UL, FCC (US) – Class B
- cUL, IC (Canada)

- CB (International Safety)
- CE (Europe) – Class B
- VCCI (Japan)

Waste Electrical & Electronic Equipment Directive (WEEE)



This product should not be disposed of with household waste. It should be deposited at a facility that enables recovery and recycling. Elo has put in place recycling arrangements in certain parts of the world. For information on how you can access these arrangements, please visit www.elotouch.com/e-waste-recycling-program/.



Replace the battery with same type only. Improper replacement of battery may cause in risk of burns, fire, and explosions. Dispose the battery according to local regulations. Risk of fire and burns if properly handled. Do not open and crush, heat above 60° C / 140° F or incinerate. If there is a serious swelling of the battery, do not continue using.

Section 8: Warranty Information

For warranty information, go to <https://myelo.elotouch.com/support/s/>

Visit our website www.elotouch.com for the latest information below:

- Product information.
- Specifications.
- Upcoming events.
- Press releases.
- Software drivers.

To find out more about our extensive range of Elo touch solutions, go to www.elotouch.com or call the office nearest you.

To find out more about our extensive range of Elo touch solutions, go to www.elotouch.com, or call the office nearest you.

Google, Android, Google Play and YouTube are trademarks of Google LLC.

North America

Tel +1 408 597 8000
Fax +1 408 597 8001
elosales.na@elotouch.com

Europe

Tel +32 (0)16 70 45 00
Fax +32 (0)16 70 45 49
elosales@elotouch.com

Asia-Pacific

Tel +86 (21) 3329 1385
Fax +86 (21) 3329 1400
www.elotouch.com.cn

Latin America

Tel +52 55 2281-6958
elosales.latam@elotouch.com

