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**JANAM**

**XT40 User Manual**



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Follow all usage, charging and maintenance guidelines in the Product User Guide. If you have questions, contact Janam.

**Important:** Please read the End User License Agreement for this product before using the device or the accompanying software program(s). Using the device or any part of the software indicates that you accept the terms of the End User License Agreement.

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 **Introduction****XT40 Rugged Touch Computer*****Key Features***

- Compact and light, weighing less than 10 ounces
- Android 13 GMS or AOSP operating system (upgradeable to 15)
- Brilliant 5-inch color display with Corning® Gorilla® Glass
- High-performance 1D and 2D barcode scanning
- 2.4GHz Octa-core Qualcomm Snapdragon™ processor
- Multiple 5'/1.5m drops to concrete per MIL-STD 810H
- Sealed to IP65 standards against dust and liquids
- Embedded RFID/NFC reading capabilities
- 64GB of built-in eMMC memory
- User-accessible microSD card slot with SDXC support up to 512GB
- User-accessible microSD card slot with SD and SDHX support
- Dual-band 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w Wi-Fi and Bluetooth v5.1 connectivity
- 4G LTE WWAN
- 5MP/13MP front- and rear-facing cameras
- High-sensitivity GNSS (supporting GPS, BeiDou, GLONASS and Galileo)
- 4500mAh battery

## Hardware Overview



- |                           |                              |                     |
|---------------------------|------------------------------|---------------------|
| 1. LED indicator lights   | 8. Handstrap anchor          | 15. Open apps key   |
| 2. 3mm Audio jack         | 9. Battery compartment cover | 16. Home key        |
| 3. Front camera           | 10. Battery cover lock       | 17. Back/Esc key    |
| 4. Barcode scanner module | 11. Scan trigger             | 18. USB Type-C port |
| 5. Speaker                | 12. Programmable button      | 19. Dock connector  |
| 6. Rear camera flash      | 13. Power/sleep              | 20. Volume up/down  |
| 7. Rear camera lens       | 14. Handstrap loop           | 21. Scan trigger    |

## Getting Started

### ***Unpacking the Janam XT40 Rugged Touch Computer***

**Make sure you have the following:**

- Janam XT40 Rugged Touch Computer
- Screen protector
- Power Supply (includes US Type A, Europe CEE 7/7, UK BS89/13 adapters)

### ***Recommended Host Computer Requirements***

- Microsoft Windows-compatible host computer with USB port, Microsoft Windows 10/11, or
- Mac OS X 10.10 (Yosemite) or higher, or
- Linux GNOME or KDE desktop or higher, or
- Chrome OS
- If installing Android™ Studio, 8 GB of available disk space minimum (IDE, Android SDK and Emulator).
- 1280 x 800 minimum screen resolution.

### ***Janam XT40 SDK***

The Janam XT40 Software Development Kit enables programmers to develop applications for Janam XT40 rugged touch computers running the Android™ operating system. It contains details and instructions for developing applications that access the XT40 embedded scanner.

The development kit, which is available upon request, is designed for use with the publicly available Android SDK.

## Charging the Janam XT40 Rugged Touch Computer

### BATTERY SAFETY GUIDELINES

The XT40 has a removable and rechargeable battery. Replace only with a Janam-approved battery. There is the risk of explosion if the battery is replaced by an incorrect type. For more information on battery replacement contact JanamCare at 866-915-5311. Use only battery chargers approved for the XT40 by Janam. Janam and its affiliates disclaim any liability for damage caused by the use of other chargers or batteries. Observe the following guidelines for safe use of Li-Ion batteries:

1. Do not expose the battery to excessive heat or cold. Do not short-circuit. Do not incinerate.
2. To avoid risk of fire, burn or damage to your battery, do not allow a metal object to touch battery contacts.
3. Do not disassemble the battery. There are no user serviceable parts inside.
4. If battery leakage is observed, avoid any contact with affected area and properly dispose of the battery.
5. If you come in contact with battery leakage, rinse exposed area with soap and water. If it contacts the eye, flush the eye with water for 15 minutes and seek medical attention.
6. Dispose of used battery promptly. Keep away from children. Do not disassemble or dispose of in fire.
7. When discarding a battery, contact your local waste disposal provider to understand local restrictions for disposal or recycling of batteries.

### BATTERY CHARGER SAFETY GUIDELINES

1. Do not use the equipment in or near areas in which sparks are likely or possible.
2. Do not let equipment's metal contacts and electrical sockets come in contact with metal objects.
3. For indoor use only. Do not expose the equipment to rain or any liquids.
4. Do not use or store the equipment in direct sunlight or in areas that are prone to get hot such as in a parked vehicle, near a heat duct or close to other heat sources.
5. Keep equipment's metal contacts and electrical sockets free from debris that could obstruct charging or could cause a short circuit.

## Installing the XT40 battery

To install or replace the XT40 battery, you need to remove the battery compartment cover on the back of the unit by first sliding the two spring-loaded cover locks to their unlock position, and then gently pulling the cover up by the two tabs on the left and right of the cover.



Now you can see the inside of the battery compartment that also provides access to expansion cards. Place the battery, with the “Janam” logo facing up, into the compartment. Firmly push the battery into place.

Before putting the battery compartment cover back in place, check for the presence and condition of the red seal along the inside perimeter of the cover. If the red seal is damaged or missing, replace it. Do not operate the XT40 with a missing or damaged battery compartment seal, as this could allow liquids to enter and damage the device.

To put the cover back on, first make sure the two compartment locks are in the unlock position. Then insert the lower part of the cover (where the exterior Janam logo is). Gently push the cover closed, and slide the two cover locks into their locked position.



## Charging the XT40 battery

To charge the battery using the **DC Power Adapter Kit**:

1. Slide the appropriate US/UK/EUR adapter plug onto the AC/DC power adapter housing.
2. Insert the DC power plug into the USB Type-C port on the bottom of the XT40.
3. Plug in the AC/DC power supply. The XT40 LED indicator will light red while charging and will change to green when fully charged. Use only easily accessible wall sockets that are easily reached with the length of the supplied power cable.

To charge the battery using the **Cradle Kit**:

1. Insert the DC power plug into the USB Type-C port on the cradle. Insert the XT40 into the cradle.
2. Plug in the AC/DC power supply. The XT40 LED indicator will light red while charging and will change to green when fully charged. Use only easily accessible wall sockets that are easily reached with the length of the power cable.



## XT40 Battery Condition and Usage Information

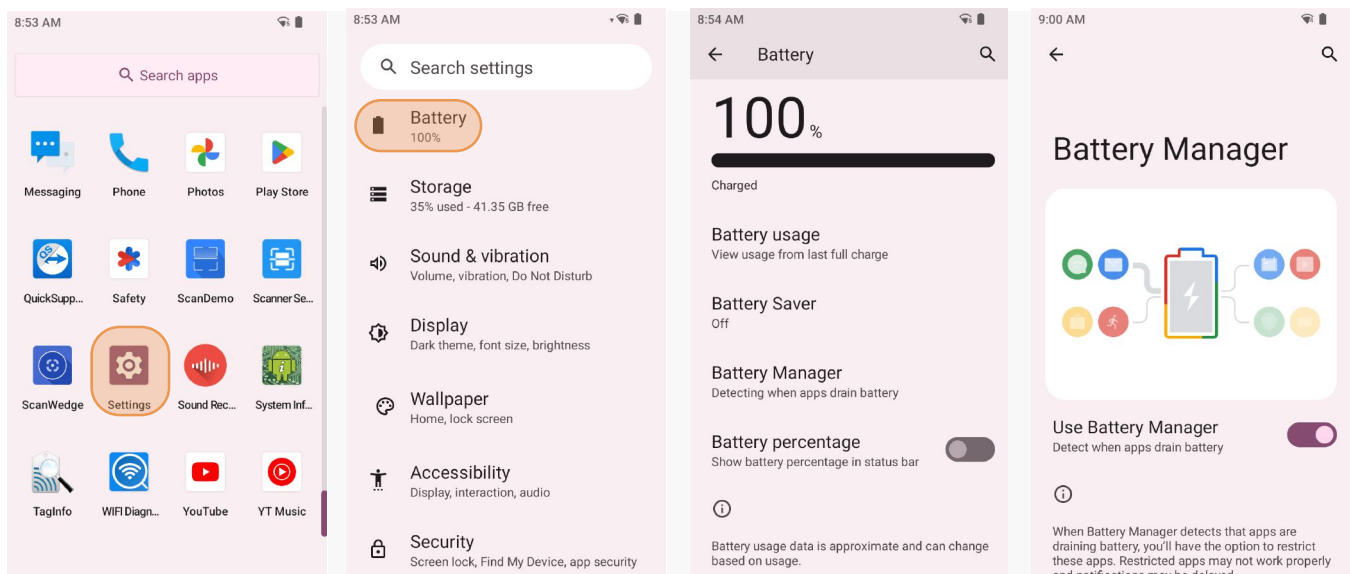
Android provides information on battery charge level in percent, estimated amount of battery charge remaining, and how much of the battery capacity has been used by various applications and device functions. This information can be accessed as follows:

On the **start screen** or **app screen**, swipe down from the top to open status bar, then touch and hold the **Battery icon** to get to **Battery screen**.

Or, go to **Settings** > **Battery** to get to the **Battery screen**.

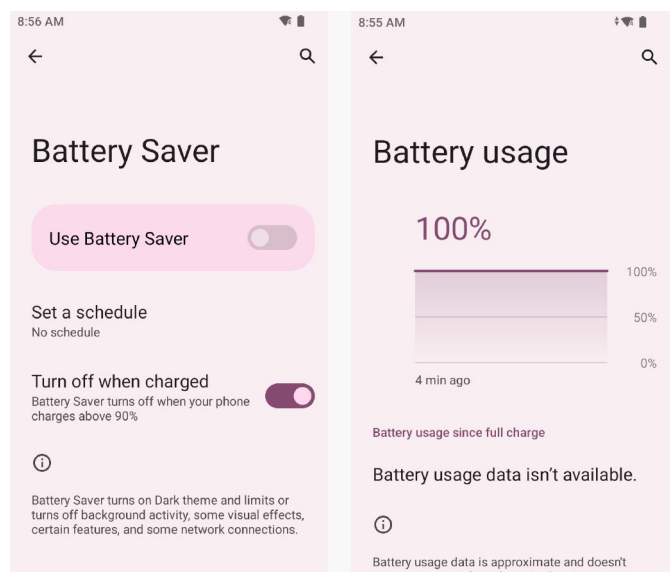
View battery status and level, and estimated battery life remaining.

To view battery usage by application, tap on **Battery use** in the menu on the upper right.



**Tip** — You can conserve battery life by:

1. Using the AC adapter to plug the XT40 into an external power source.
2. Manually or auto-suspend device operation when possible.
3. Reducing screen brightness.
4. Turning off wireless functionality (Wi-Fi, Bluetooth, location services, or GPS) when not in use.



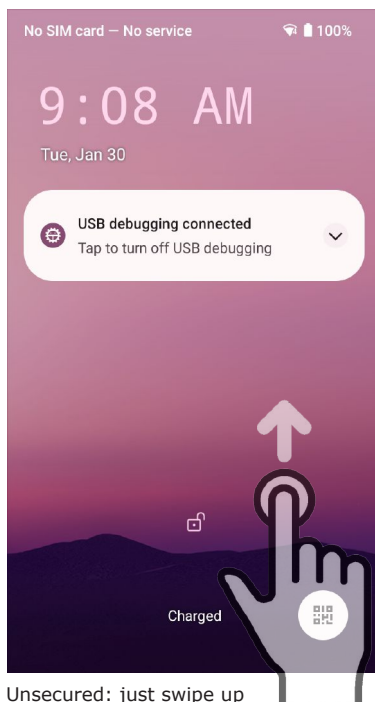
## Turning the Janam XT40 Rugged Touch Computer on

1. Press and hold the **Power Key** (marked red in its center) on the top right-hand side of the XT40.

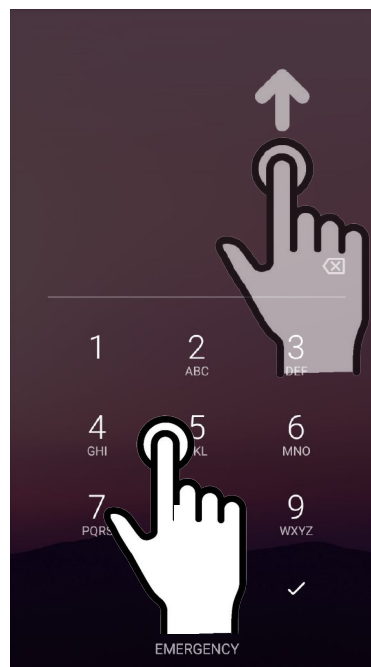
If the XT40 is being powered on for the first time, follow the on-screen setup instructions.

When the XT40 is on, pressing the power button briefly will suspend operation until it is pushed again.

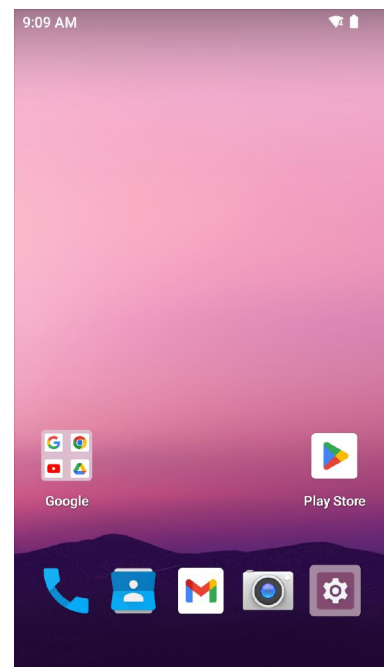
2. When powered on, an **unsecured** XT40 will first display the **Android lock screen**. It is unlocked by swiping up on the screen. The **lock screen** will be replaced with the **start screen**. For information about securing the XT40 with a password or pin code, refer to Chapter 3.
3. When powered on, a **secured** XT40 will also first display the Android lock screen. Swipe up to get to the chosen authentication method. The example below shows the **pin code keypad**. Enter your pin code. Once the correct pin code has been entered and you've tapped on the check mark, the **welcome screen** with the **pin code keypad** will be replaced with the **start screen**. For information about securing the XT40 with a password or pin code, refer to Chapter 3.



Unsecured: just swipe up



Secured: enter pin, then swipe up

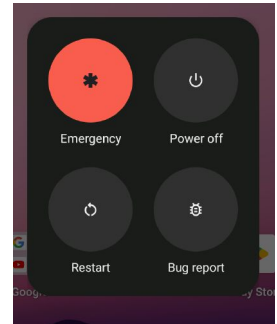


Both ways get to the start screen

## Turning the Janam XT40 Rugged Touch Computer off

Note that there are different levels of turning off power to the XT40.

1. To put the XT40 display to sleep, briefly press the **Power Button** (marked red in its center). The display will turn off. To turn the XT40 back on from sleep, depress the **Power Key** again. The welcome screen will come up, and by swiping up it will return you to the last used app.
2. To put the XT40 display to sleep and also shut down Android, press and hold the **Power Button** until the "Power off/Restart" overlay appears. Tap on Power off and the XT40 will power down. To turn it back on, press and hold the **Power Button** until the device vibrates and the screen turns on, showing "Technology at Work."
3. To completely power down the XT40 and reboot it from a cold start, press and hold the **Power Button** and keep holding it for about ten seconds. The display will go black, and in a few seconds the XT40 will reboot automatically.



## Touch Screen Navigation

The Janam XT40 uses capacitive multi-touch technology. Almost all of the XT40's functions can be accessed and used by tapping, swiping or dragging with one finger. Some operations, such as zooming in and out, are performed with pinching two fingers together or dragging them farther apart.

Note that capacitive touch works by sensing your fingers. Never use an actual pen, pencil, or any sharp object to operate the touch screen. They may damage the touch screen.



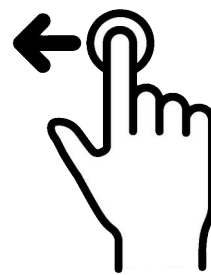
### Touch

Touch a tile or object to select or open it.



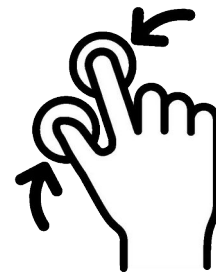
### Touch and hold

Touch and hold a tile or object to bring up available options.



### Touch and drag

Touch and then drag/ swipe an object to move it in any direction.



### Pinch and spread

Put two fingers on the display, then drag them together or apart to zoom in or out.

Screen Rotation

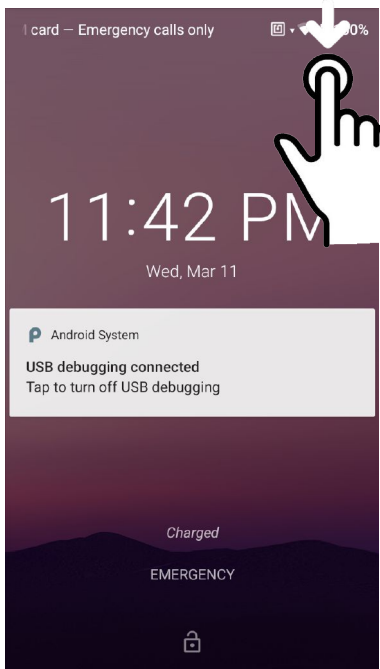
The XT40 was designed to be used in portrait (vertical) orientation. Many screens and apps, however, can also be used in landscape (horizontal) orientation. By default, the XT40’s internal sensors automatically present a vertical or horizontal view in sync with the physical orientation of the device. If automatic orientation is not desirable, the screen can be locked in its current orientation in **Settings**.

Lock Screen

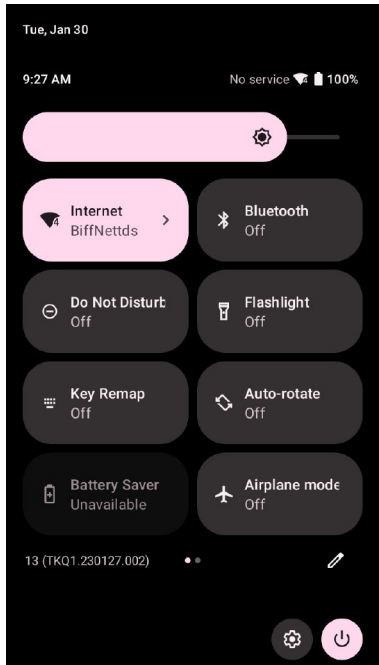
When turned on, the XT40 first displays the Android **lock screen**. The lock screen shows the current time and date. If the XT40 is secured, it may also display an access prompt. The lock screen can be personalized by changing its color, picture, and sounds. It may also provide a quick status of selected apps (such as calls, messages, emails, etc.).

Along the top of the lock screen is a **status bar** with small icons that display information about various functions. Examples include WLAN and Bluetooth, cellular signal, the presence of notifications, SIM card, battery charge, airplane mode, the current time and more. Some function icons are static and indicate the presence of something (like airplane mode). Other icons provide information on a function (like the cellular or WLAN signal strength, battery charge, or type of data service).

Below is a sample of the icons that may appear in the **status bar** of the **lock screen**, as well as what the icons indicate. Note that swiping down from the top of the lock screen reveals a screen with tiles that provide one-tap access to various important functions. Examples are airplane mode on/off, disturb on/off, brightness settings, flashlight on/off, etc.



| Icon                                                                                                                                                   | Meaning                                                 |  |                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--|----------------------------------------------------------------------|
| <i>Note: Status and notification icons are hardware and software dependent. Some of the icons listed below may not be relevant for your XT2 model.</i> |                                                         |  |                                                                      |
|                                                                                                                                                        | Open notification panel to see additional notifications |  | Sound is turned off                                                  |
|                                                                                                                                                        | Pending calendar event                                  |  | Vibrate mode is turned on                                            |
|                                                                                                                                                        | Pending alarm and Alarm is set                          |  | Battery charge is at 100%.                                           |
|                                                                                                                                                        | New Hangouts™ message                                   |  | Terminal is connected to external power and the battery is charging. |
|                                                                                                                                                        | New Gmail™ message                                      |  | Downloading data                                                     |
|                                                                                                                                                        | New text message or multimedia message                  |  | Bluetooth technology is turned on                                    |
|                                                                                                                                                        | New E-mail                                              |  | Scanner enabled                                                      |
|                                                                                                                                                        | Error with text or multimedia message delivery          |  | Download finished                                                    |
|                                                                                                                                                        | Terminal is connected to a computer using a USB cable   |  | WWAN (voice & data) network signal strength                          |
|                                                                                                                                                        | ABD active (USB debugging enabled)                      |  | GPS is enabled                                                       |
|                                                                                                                                                        | Uploading data                                          |  | Wi-Fi network connected and signal strength                          |



## The Home Screen

In Android, the **home screen** is the central launchpad for all of the XT40's most frequently used features and applications. The home screen can consist of multiple screens (on the XT40 you can add additional screens to the right of the home screen).

The home screen contains the **status bar** on top of the screen and the **favorites tray** at the bottom. The status bar displays various information icons. Swipe down to expand it and show more detail. The favorites tray has contains five (changeable) favorites.

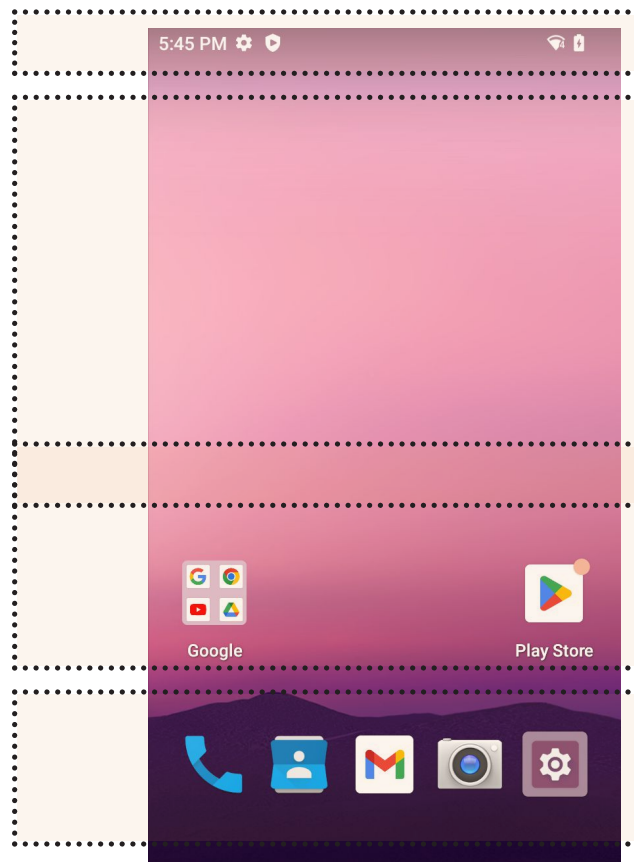
Between the status bar and the favorites tray are apps icons (which can also be **folders** containing multiple apps) and **widgets**. Tapping on apps icons launches the app. Touch and hold to rearrange icons. Widgets perform functions, like showing the time, weather, news, or act as shortcuts.

**Status Bar:** shows status icons and notifications. Drag down to show the Quick Settings panel.

**Apps and Widgets:** this area is for app icons, app folder icons, and widgets.

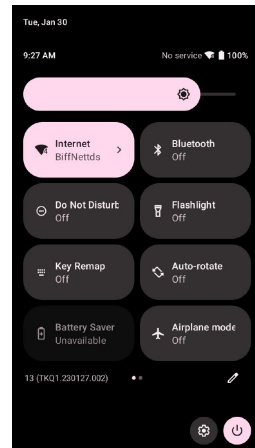
**Search Bar:** if turned on, a widget that allows search without launching the browser.

**Favorites Tray:** place most often used app icons here. Tap to launch.



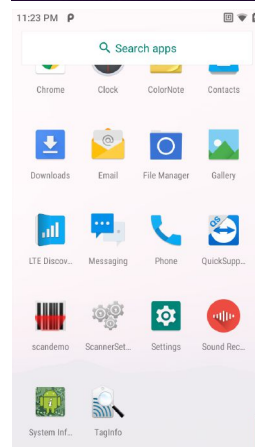
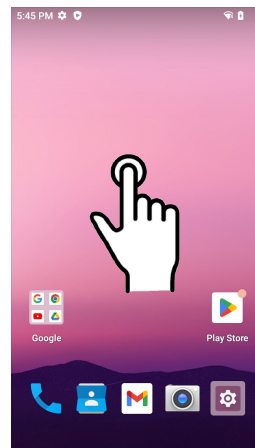
## Home Screen (continued)

In Android 13, the **home screen** provides easy access to other functions by swiping up and down.



### **Swipe down:**

Brings up the Quick Settings panel with notifications



### **Swipe up:**

Brings up the App screen.

## Home Screen (continued)

On the Home screen, a long push brings up popup with three selections: Wallpapers, Widgets, Home settings.

**Wallpapers:** You can select from Photos, Live Wallpapers, or standard Wallpapers.

**Widgets** perform functions, like showing the time, weather, news, or act as shortcuts. You may select one with a long tap and then deposit it either on the Home screen, or drag it to the right to put it on an additional Home screen (there can be

more than one). To remove a widget, long-tap on it and drag it to "x remove". The four images at the bottom of this page show the types of widgets available, as well as a couple of examples of how widgets can be used on the Home screen.

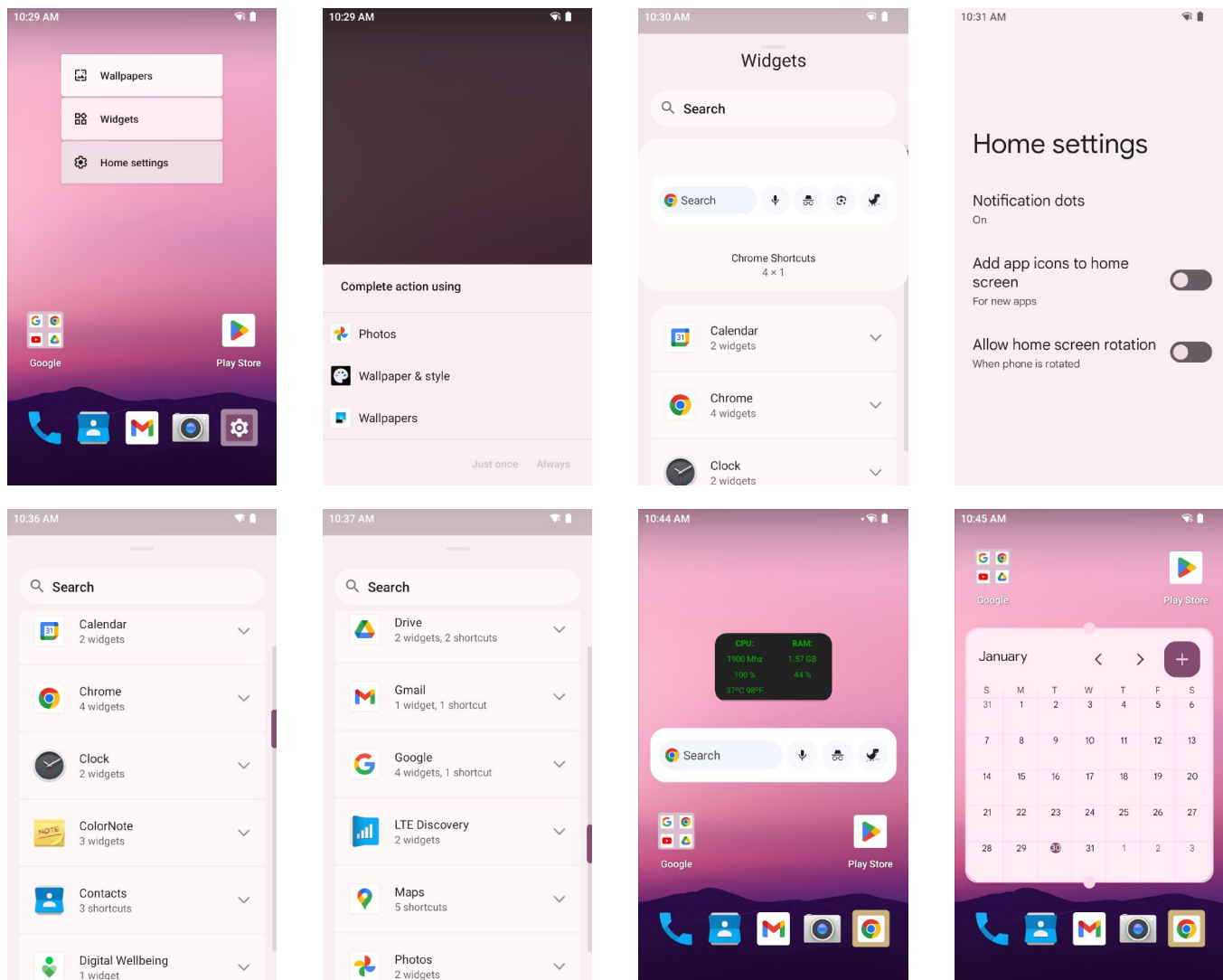
**Home settings:**

**Notification dots:** Toggles on/off small dots on top of app icons that alert to unread notification. Long-tap a dot to get a preview in a speech bubble.

**Add app icons to Home screen:** allow/disallow adding

app icons to the Home screen.

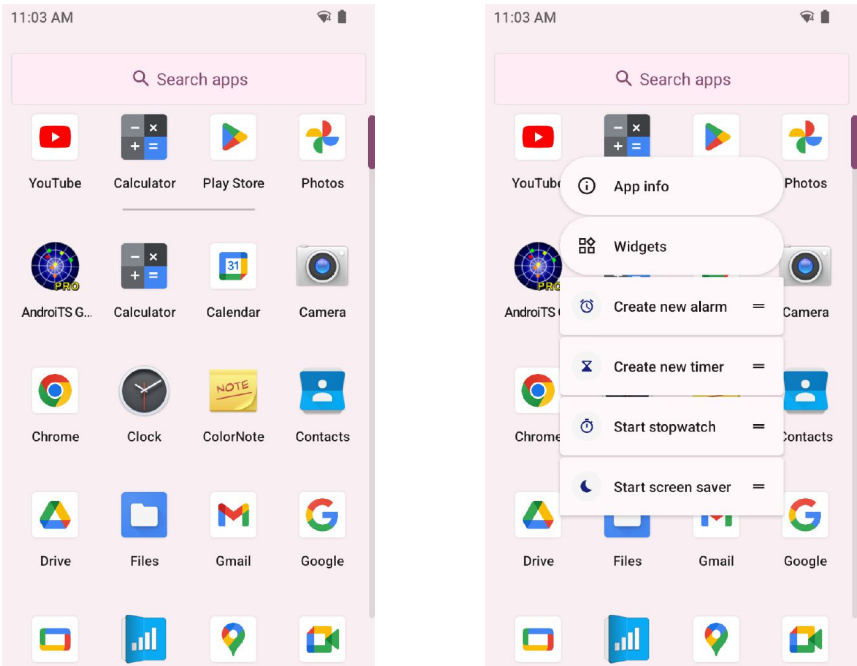
**Allow Home screen notification:** toggles screen rotation on/off.



App Screen

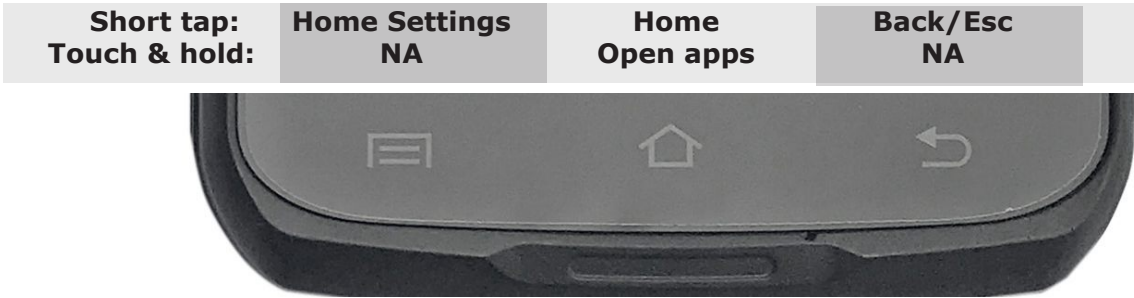
While the Android **home screen** serves as the XT40’s “dashboard” that provides status, information, and quick access to all the most important functions of the device, the **apps screen** provides an alphabetically listed grid of all applications installed on the device. Swipe up on the home screen to get to the app screen. From the apps screen, swipe down or press the physical **Home key** below the XT40’s display to get back to the home screen.

To launch an application from the app screen, tap on it. If you have a lot of apps, swipe up and down to scroll the app screen. You can do **Touch-and-hold** on some icons to bring up popups with additional functions (see below).



Function Keys

The Janam XT40 has three white, backlit Android touch-keys located along the bottom of the display. Tapping these keys, from left to right, brings up 1) **home settings**, 2) the **start screen**, 3) executes a **back/esc** (to get back to the prior screen, close a dialog box, etc.). Touching and holding the center button shows all open apps.



## XT40 Setup

### Removable Memory

#### IMPORTANT NOTE!

*To avoid possible damage to microSD or micro-SIM cards or the XT40 itself, ESD (electrostatic discharge) precautions are recommended when installing or removing microSD and/or SIM cards. Before handling, discharge any personal static electric buildup to a point of discharge other than the device.*

#### microSD Card

##### About microSD Cards

The XT40 rugged touch computer has a microSD flash memory card slot in its battery compartment that is compatible with SDXC (Secure Digital Extended Capacity) cards with capacities of up to 512GB (FAT32 card formatting). Older SD cards can also be used. Removable microSD memory is useful for general file storage, uploading and downloading of user data, and more. The use of high-quality microSD cards supplied by a reputable manufacturer is recommended.

##### To access the microSD card slot:

Remove the battery compartment cover on the back of the unit by first sliding the two spring-loaded cover locks to their unlock position, and then gently pulling the cover up by the two tabs on the left and right of the cover. Then remove the XT40 battery.

##### To install the microSD card:

With the battery removed, locate the microSD card slot in the battery compartment (highlighted orange). Place a compatible microSD card with its brand and capacity markings facing you and its smaller edge going into the card slot. Fully insert the spring-loaded microSD card. DO NOT attempt to insert the microSD card in any other orientation. Put the battery back into its compartment and put the battery compartment cover back on. If you add a SD card new to your XT3, you will be asked if the card is to be used for extra device storage or for portable data.

##### To remove the microSD card:

Before removing a microSD card, go to **Settings > Storage**. Select **disk** from the pulldown. Then select **Eject** from the options pulldown menu in the upper right. Only then remove the battery compartment cover and battery, and remove the microSD card.

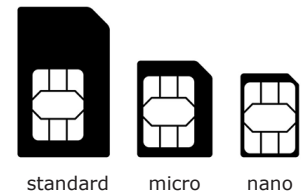


## SIM Cards

### About SIM Cards

SIM (Subscriber Identity Module) cards are needed to add cellular voice and/or data communication service to devices equipped for cellular signal functionality. SIM cards can be transferred between devices supporting the same communications standards.

Janam XT40 models equipped with optional WWAN (Wireless Wide Area Network) cellular signal functionality include two removable SIM card slots, marked MICRO SIM1 and MICRO SIM2. Neither cellular signal connectivity for internet access nor optional 3rd party voice telephone applications can function without an activated SIM card installed. The XT40 SIM card slots are designed for use with **micro SIM cards**. A standard SIM card is too large and will not fit. If a SIM card provided by your cellular carrier uses the nano format, you need a (readily available) micro SIM card adapter to use it in the XT40. Contact Janam or your local wireless carrier for more information about SIM cards and wireless service.



### To access the micro-SIM card slots:

Remove the battery compartment cover on the back of the unit by first sliding the two spring-loaded cover locks to their unlock position, and then gently pulling the cover up by the two tabs on the left and right of the cover. Then remove the XT40 battery.

### To install a micro-SIM card:

The location of the micro-SIM card slots in the battery compartment is shaded orange in the illustration to the right. Orientate a compatible micro-SIM card (or nano SIM card in a standard SIM adapter) with its straight edge facing into a slot and its golden contacts surface facing down. Gently insert the SIM card fully into slot.

NEVER attempt to insert a micro-SIM card in any other orientation or force a card into its slot. Once the SIM card is installed, replace the battery and put the battery compartment cover back on.

### Which of the two micro-SIM slots to use:

Both of the XT40's micro-SIM card slots provide the same functionality. The first slot should be used for the default SIM, the second one for a permanent or temporary secondary SIM. SIMs can be different wireless providers or for two phone numbers on the same device. Note that the second slot is spring-loaded, making it much easier to quickly insert or remove the card.



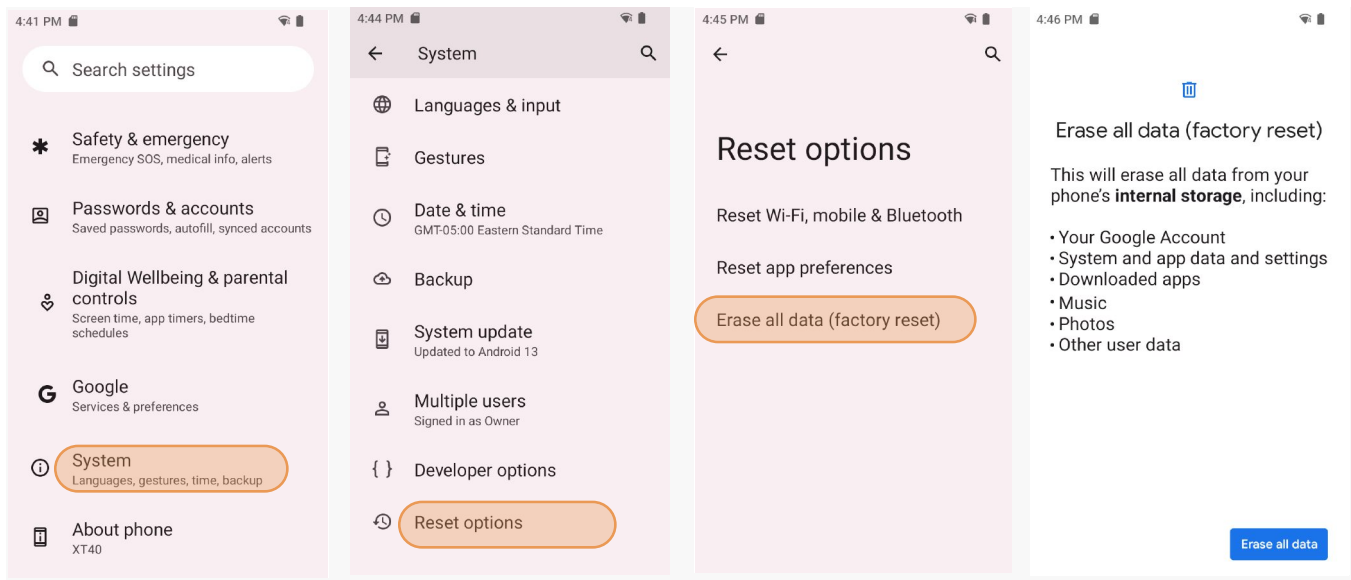
## USB Port

The Janam XT40 provides USB connectivity through its reversible **USB Type C** at the bottom of the device. Wired USB connectivity is also possible through the optional Single-Slot Cradle.

## Resetting the XT40 to factory condition

Resetting the XT40 erases all personal data from internal device storage. This includes Google Account information, information about any other accounts, system and application settings and configurations, and any downloaded applications. The device is returned to factory condition.

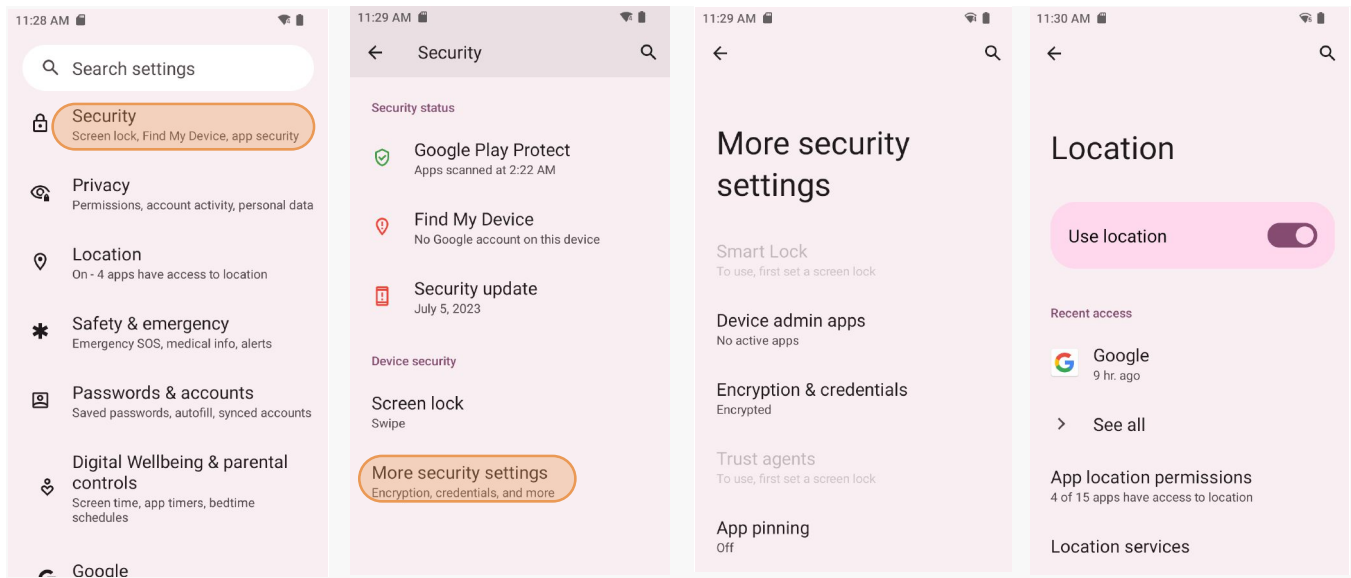
To perform a full reset go to **Settings > System > Reset options**, then tap on **Erase all data (factory reset)**. This brings up a warning screen. If you wish to proceed, tap on **RESET PHONE**. Depending on your access security options, you will be asked to supply your PIN, password, or pattern. Once everything has been erased, you can turn off the device, or opt to reboot and set it up from scratch or from a backup.



## Security

### Android Security

The Android 13 operating system inherently provides a high degree of security. Here is an overview of available security and privacy settings:



### Manage security settings

- ☐ **Settings > Security** and **Settings > Security > More security settings**

### Check security status

- ☐ Security update: **Settings > System > Systems update**

### Device security

- ☐ Screen lock/type of screen lock: **Settings > Security > Screen lock**
- ☐ Emergency information: **Settings > Apps & notifications > Advanced > Emergency alerts**

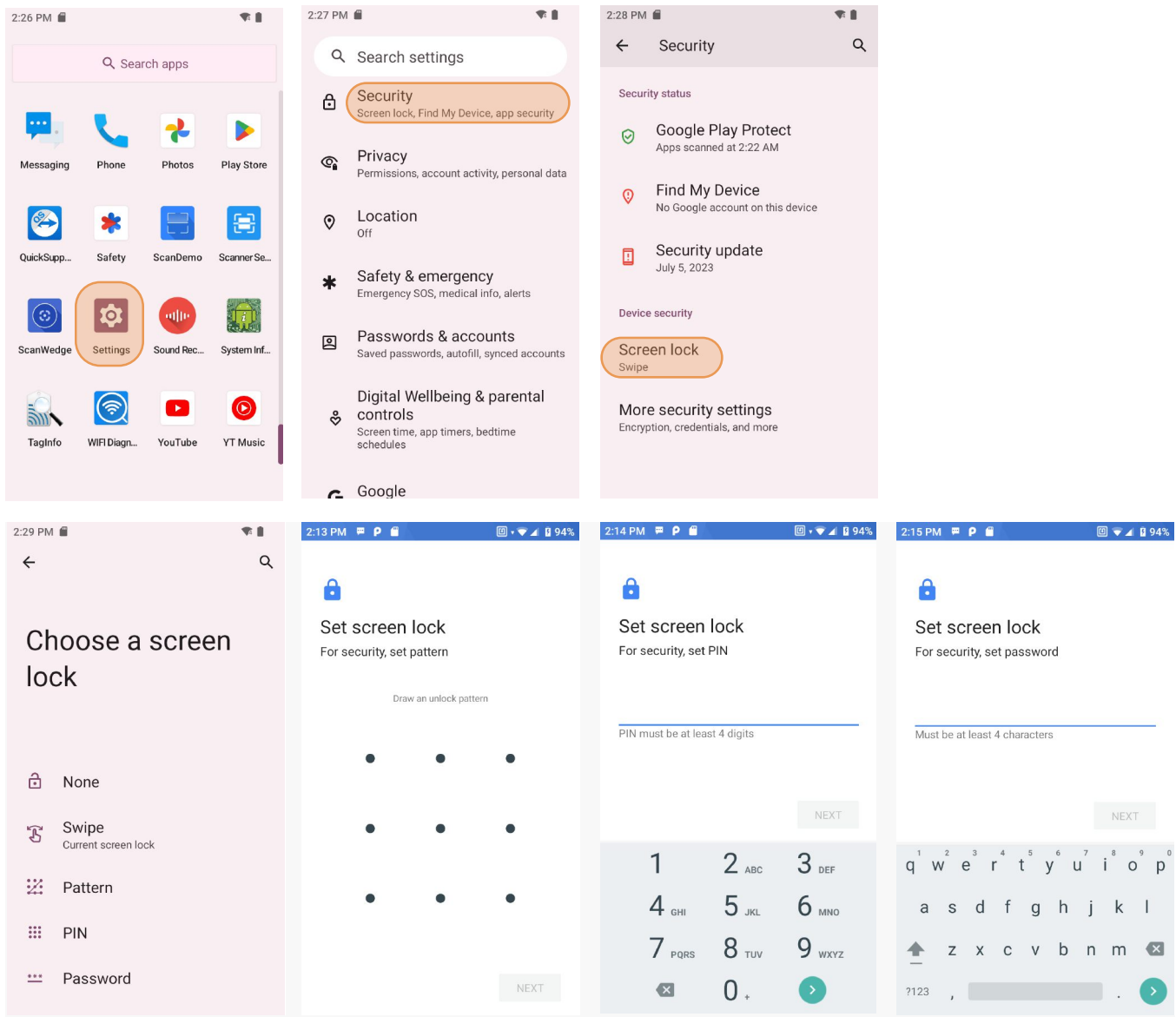
### Privacy:

- ☐ **Settings > Location** (many options)
- ☐ **Settings > Security > More security settings > Device admin apps** (shows apps that can administer the XT40)
- ☐ **Settings > Security > More security settings > App pinning** (locks device into one app)
- ☐ **Settings > Notifications** (change permissions)

## Device Security

### Screen Lock Types

Android provides four lock screen options. Patterns must connect at least four unique dots, PINs must be at least four digits long (but can be as long as 16), and passwords must be at least four characters (but can also be as long as 16). To set, go to **Settings > Security > Screen lock**.



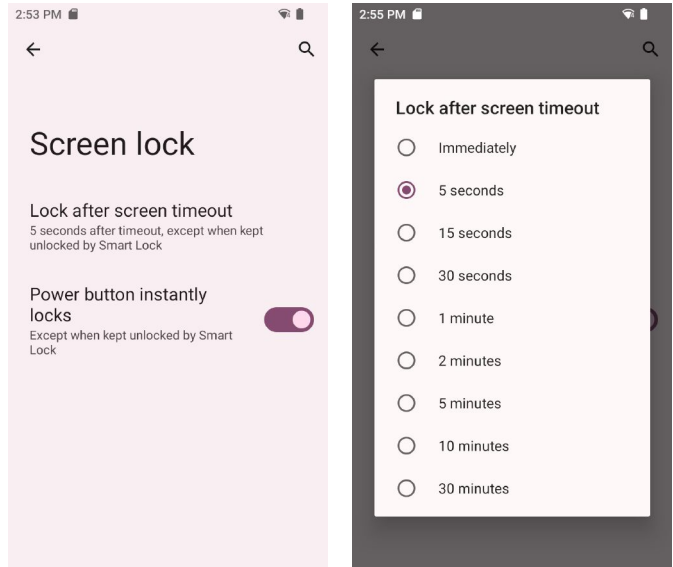
### Changing Screen Lock Settings

Lock screen options can be changed anytime. You can go from PIN to pattern or password, etc. To make a change, go to **Settings > Security > Screen lock**. If you have lock screen security in place, you must enter the code before you can change the screen lock type or code.

## Additional Device Security Settings

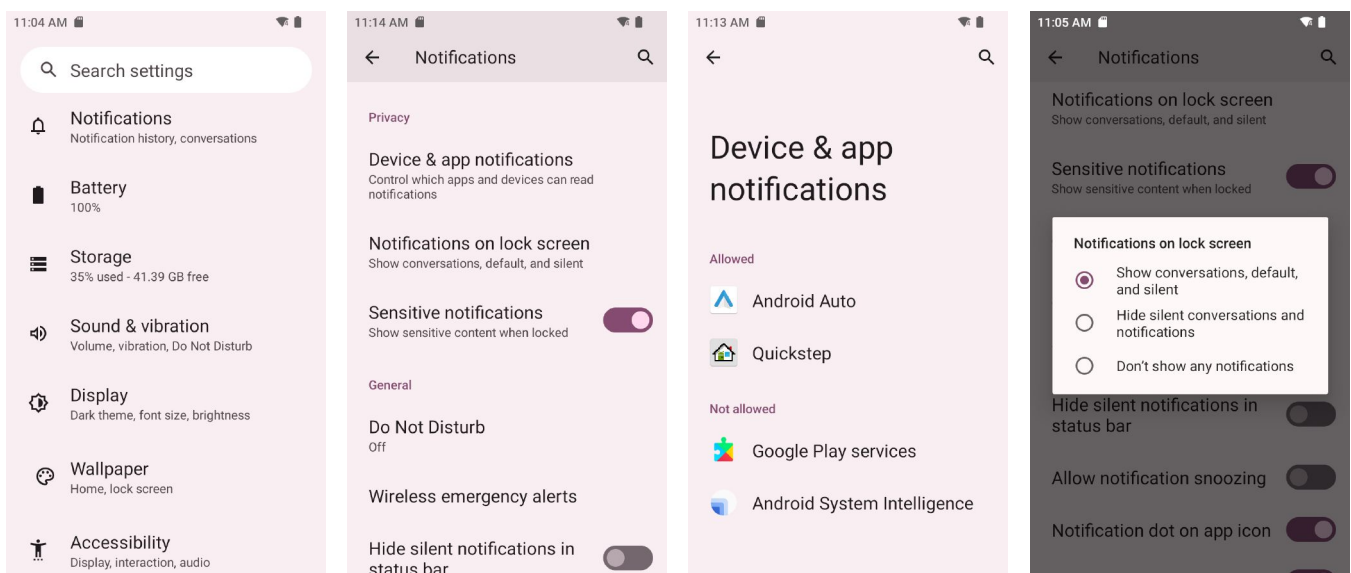
Once a screen lock has been set, users can tailor screen lock security according to their preferences (or company policy) at **Settings > Security > Screen lock** > ⚙️. Among the available options are:

- ☐ **Lock after screen timeout** (can be set from immediately to 30 minutes)
- ☐ **Power button instantly locks** (screen instantly locks when power button is pushed)



In addition, in **Settings > Notifications**, users can set:

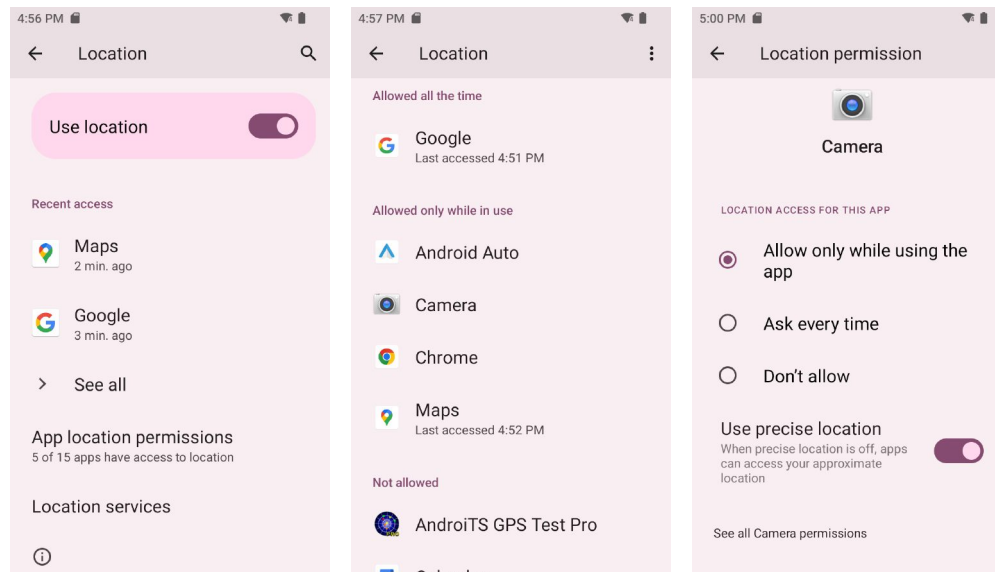
- ☐ **Device & app notifications** sets what apps are allowed to show notifications.
- ☐ **Notifications on lock screen** sets what type of notifications should show on the lock screen.
- ☐ **Sensitive notifications:** Toggles the display of sensitive content when the device is locked.



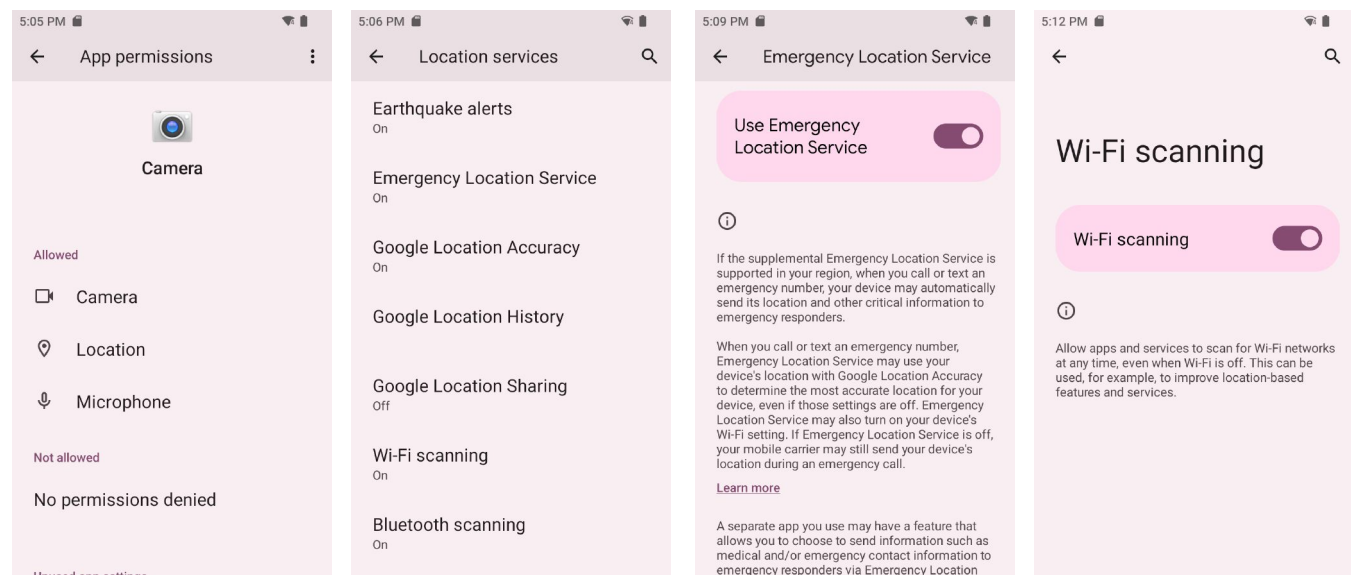
## Privacy Settings

### Location

When connected via Wi-Fi, Bluetooth or mobile broadband and “location” is turned on for your XT40, you can get information based on its location. Examples are commute predictions, nearby stores and restaurants, and local search results. Use **Settings > Location** to turn the location feature on or off, or set location preferences.



When location is turned on, you can see which apps have issued location requests. Tap on **App location permissions** to see what permissions app have. Tap on an app to change its permissions. You can also set whether an app can get your precise location or just an approximate one. You can also view and set all permissions an app has.



From **Location** you can view and set the various **Location services** available. Here you can toggle earthquake alerts (if available in your region) and emergency location on and off. You may also set location accuracy, history and sharing. Wi-Fi and Bluetooth scanning can be toggled on/off as well. This can improve location-based features even if Wi-Fi and Bluetooth are turned off.

## Device Settings

The XT40 can be configured according to personal preferences. This makes the device easy to use and helps to enhance efficiency and productivity.

### Display

The **Brightness level** can be adjusted manually via a slider.

If turned on, **Night Light** turns the screen to a dim, adjustable amber color. It can be set to turn on/off automatically at certain times.

**Adaptive brightness** automatically adjust the brightness level.

**Lock screen** lets you set what should be displayed and when it should be displayed

**Screen timeout** can be set from 15 seconds to never.

**Dark theme** can be enabled or disabled.

**Font size** can be set to **Small**, **Default**, **Large**, and **Largest**.

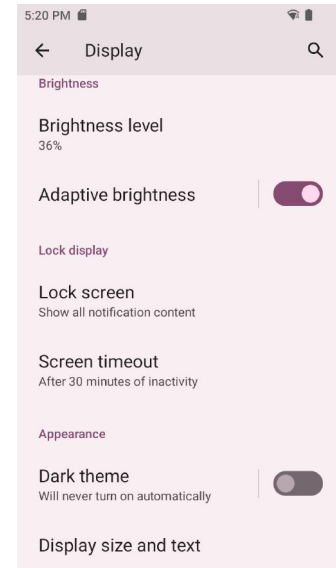
**Display size and text** is where you can set font size as well as item size, and also bold everything or display it in high contrast.

**Night light** toggles on/off, **Colors** can be set natural, boosted or adaptive.

**Ambient display** makes the XT40 wake up and display notifications.

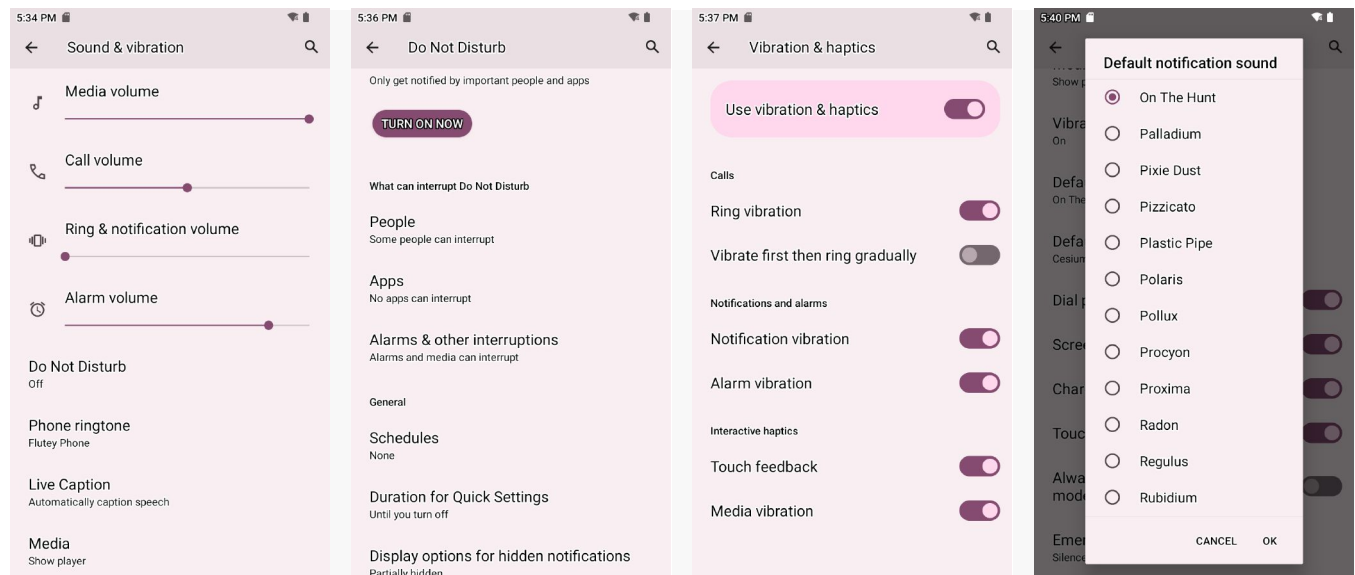
**Device theme** sets light or dark mode, or auto based on wallpaper.

The **Screen saver** can be set and configured, and **Auto-rotate** toggles on/o.



### Sound & vibration

Allows setting of **volume of media, calls, rings, alarms** and **notifications**. You can set various **Do Not disturb** options, rules and restrictions for both calls and messages. You can set **vibration & haptics** options, set various sounds on/off, set the **default notification sound** and more.



## Device Settings (continued)

### Storage

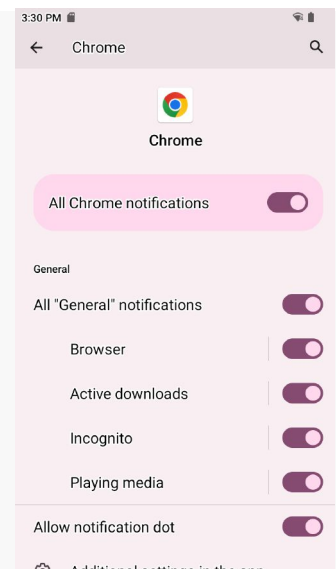
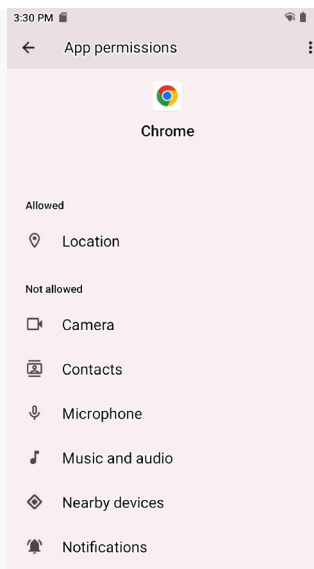
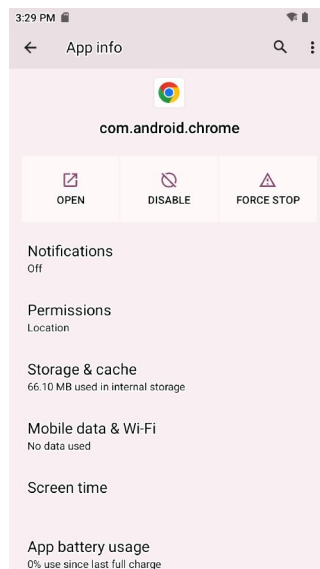
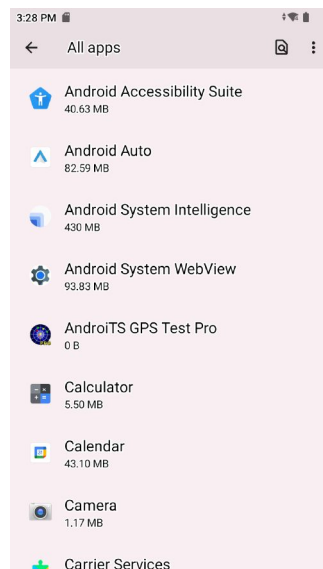
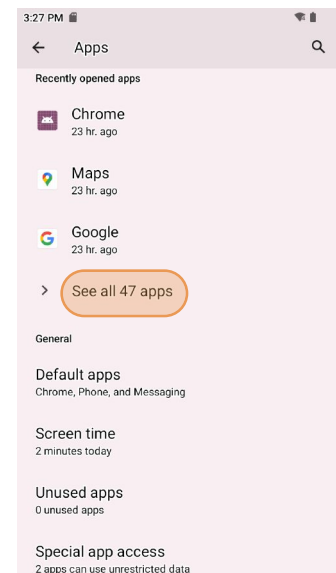
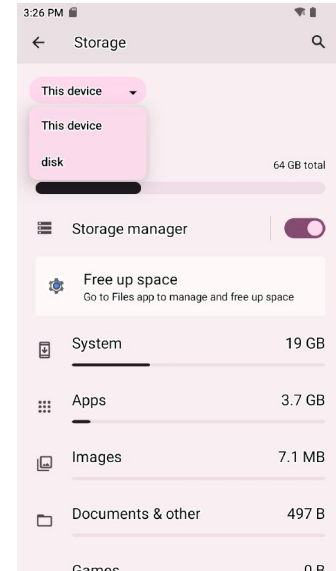
Touch **Storage** from the **Settings** screen to view use and space statistics for the internal storage on the device and the installed SD card. The SD card screen lets you eject or format a card.

### Apps

Touch **Apps** from the **Settings** screen to see recently opened apps. Tap on **See all xx apps** to view either all apps or only installed or disabled apps.

Tap on an app to see its **App info** screen that contains detailed statistics on an app including its notification and permissions options, the amount of storage or cache used, the time spent using the app, its battery usage, and its default settings. You can perform the following actions:

- ☐ Force stop the app,
- ☐ Disable the app,
- ☐ Show and set notifications options,
- ☐ Set app install location,
- ☐ Clear stored data,
- ☐ Clear cache, or
- ☐ Manage battery use,
- ☐ Open the app by default
- ☐ Manage battery use.
- ☐ See app details (where it's from, etc.).



## Personal Settings

### Passwords & Accounts

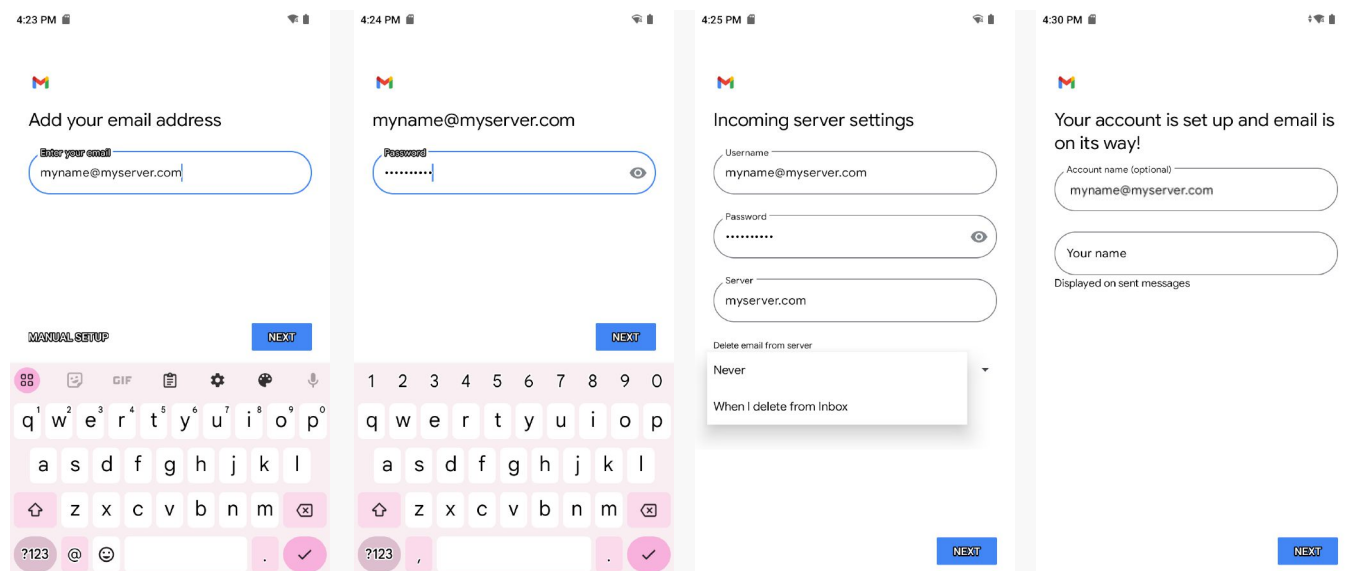
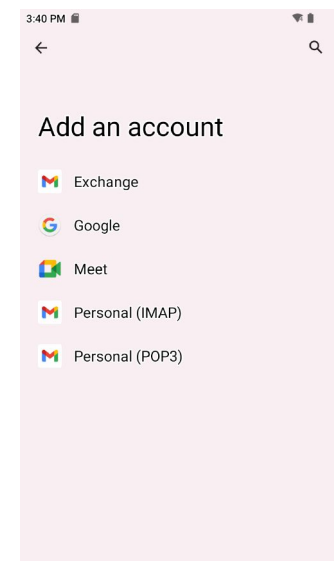
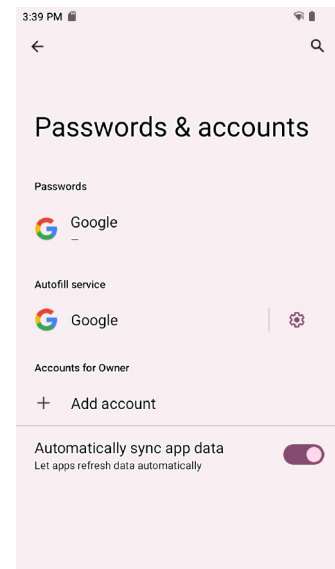
Accounts are created by going to **Settings > Passwords & Accounts**. To add an account, tap **Add account**, then tap the type of account to add. Follow the on-screen instructions to enter the required information for the account type selected.

Depending on the type of account, you may need to provide a user name and password, select security settings, and configure data sync preferences during the setup.

While the **Add an account** screen only specifically lists **Exchange** (Microsoft's email server solution), **Google** and **Meet** (Google's video calling app), you can use **Personal (IMAP)** and/or **Personal (POP3)** to set up either an IMAP (Internet Message Access Protocol) or a POP3 (Post Office Protocol) account.

Accounts appear in the **Accounts list** when setup is complete. Depending on the settings you selected during the account configuration, your XT40 device may automatically start to sync account data (e.g., email, contacts, music and calendar, etc.).

To remove an account, go to **Settings > Passwords & Accounts**. Tap the account you wish to delete. Press the **Menu** button at the right top of the screen and then select **Remove account**. Tap Remove account to confirm deletion.

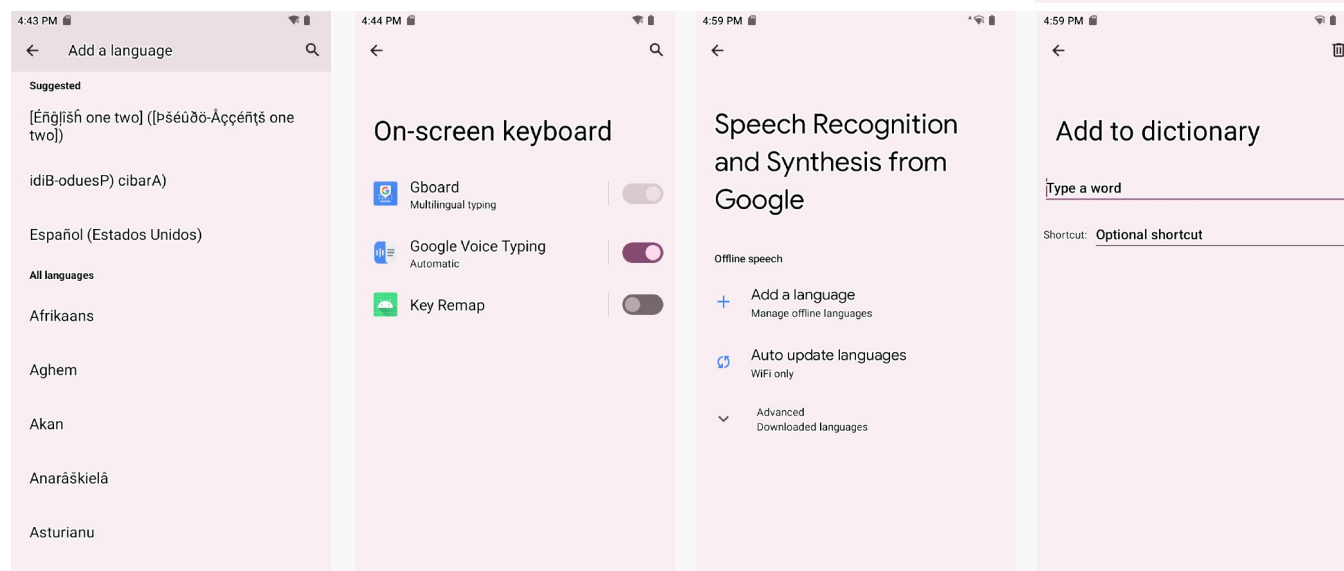
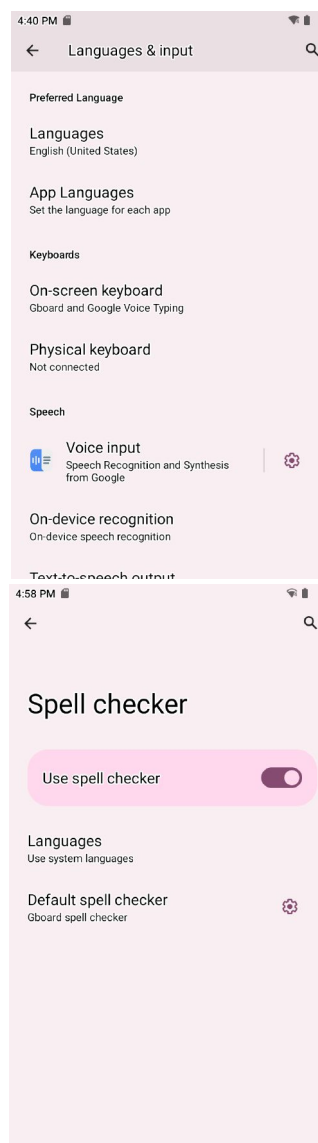


## Personal Settings (continued)

### Language & input

To configure and customize various language and input settings on your XT40, go to **Settings > System > Languages & input**. Here you can set:

- ☐ **Language:** You can add languages from a long list.
- ☐ **Keyboard & Input Methods:** By default, the enhanced virtual keyboard appears when you open an application or select a field that requires text or numerical input. The content of the keyboard may vary depending on the selected default, the application in use, and the input field requirements.  
To modify the default method for entering text, go to **Settings > System > Languages & input** and tap on **On-screen keyboard**.
- ☐ **Speech:** Lets you configure voice recognition, add languages, and also configure text-to-speech output (language, pitch, speed rate, etc).
- ☐ **Spell checker:** Turn the Spell Checker on and off, select which one you wish to use, and allow or deny looking up of names in your contact list.
- ☐ **Personal Dictionary:** Here you can add, edit, or delete words from your optional personal dictionary.
- ☐ **Pointer speed:** Adjusts the speed of a mouse connected to the XT40.



## System Settings

### Date & time

To set date and time, go to **Settings > System** and tap **Date & time**.

Here you can configure the date, time, time zone, time format, and date format.

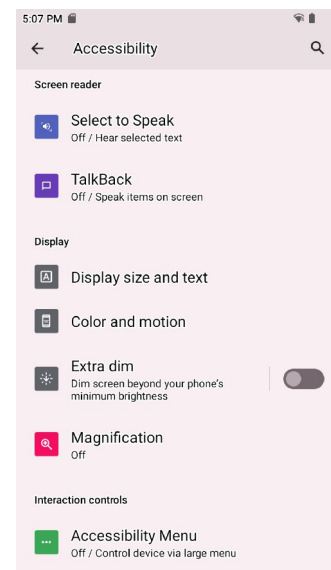
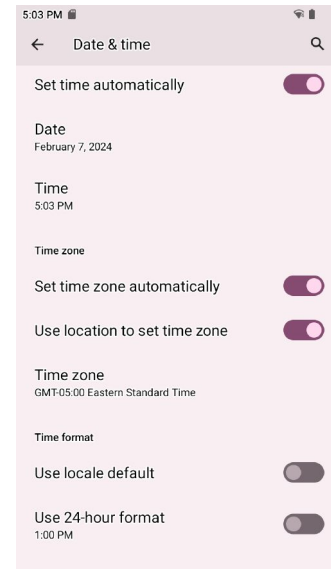
You can set the device to synchronize the date and time using a network connection by checking the **Set time automatically** box or you can manually enter the values by touching **Date**, **Time**, or **Time zone** (note that if the Automatic option is checked, you cannot set Date, Time, and Time zone).

To modify how the time is displayed on the screen, check the **Use 24-hour format** box to switch from a 12-hour cycle to a 24-hour cycle. In a 24-hour time cycle, 1:00 pm displays as 13:00 pm.

### Accessibility

**Settings > Accessibility** allows configuring the XT40 to be as accessible as possible for all users. Services, system settings and display settings include:

- ☐ **Select to Speak:** When on, reads or describes aloud items you tap. Select to speak can be configured and personalized.
- ☐ **TalkBack:** If seeing the screen is difficult, TalkBack provides spoken feedback without looking at the screen.
- ☐ **Display size and text:** This is where text and items can be set to be smaller or larger.
- ☐ **Color and motion:** Colors can be corrected for various types of anomalies, the dark theme can be disabled, animations can be removed, and the mouse pointer can be set to large. Allows settings the screen to accommodate the three types of color blindness.
- ☐ **Extra dim:** Dims the display beyond minimum brightness.
- ☐ **Magnification:** When on, configures magnification type and shortcut.
- ☐ **Accessibility Menu:** When on, provides a large configurable on-screen menu for device control.
- ☐ **Gloves mode:** When enabled, accepts screen swipes wearing gloves.
- ☐ **Timing controls:** Sets touch & hold delays, time to action settings, and automatic clicks.
- ☐ **Systems controls:** toggles navigation between traditional Android buttons and gesture navigation, toggles use of the power button to end calls, and sets screen auto-rotation on and off.
- ☐ **Vibration & haptics:** Set on or off for touch as well as ring/notifications.
- ☐ **Live captions/preferences:** toggles and configures live caption.
- ☐ **Audio descriptions:** Toggles on/off a description of screen action in supported movies and shows.
- ☐ **Audio adjustment:** You can combine stereo channels when playing audio and set the left/right audio balance.
- ☐ **Accessibility shortcuts:** Toggles a button for quick access to accessibility features..



## Network & Internet

### Introduction

#### **IMPORTANT NOTE!**

*Some wireless networks, especially those in public areas, are unsecured, i.e. they do not require a password in order to establish a network connection.*

Wireless local area networks (WLANs) allow XT40 rugged touch computers to send and receive information wirelessly within the range of the wireless network they are connected to at a given time. Wireless network connectivity may or may not include access to the Internet, depending on the network's mission and configuration.

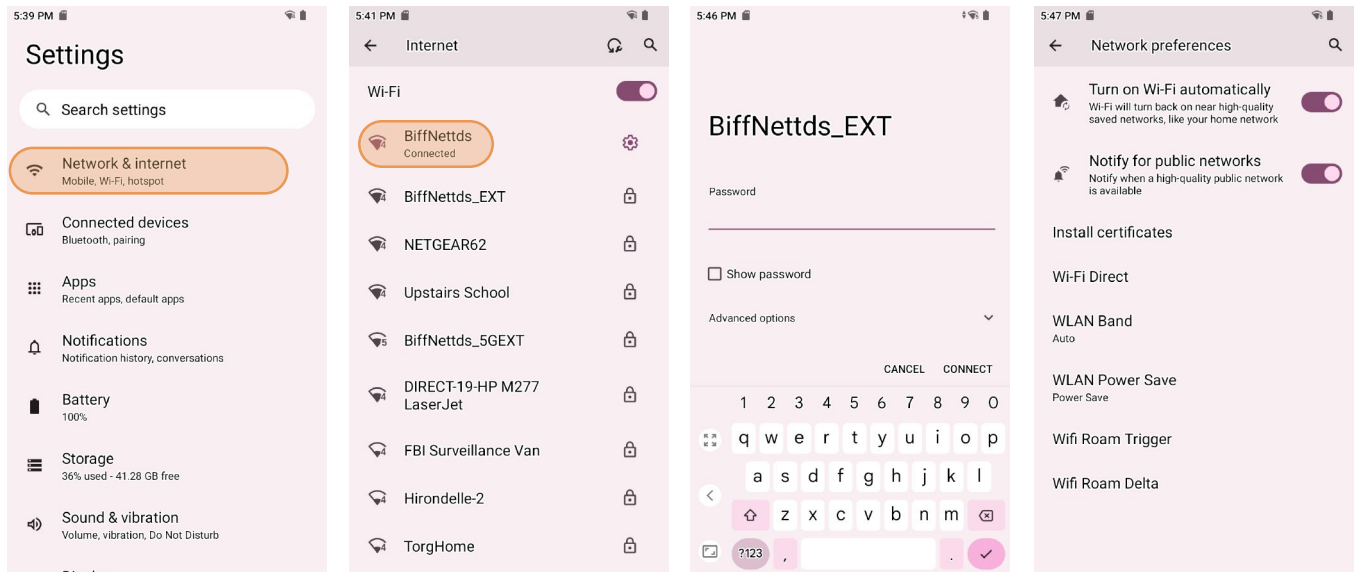
A given physical area may have multiple wireless local area networks (WLANs), sometimes referred to as Wi-Fi hot spots, which the XT40 can see as it scans for available networks.

Typically, wireless local area networks are configured with a security scheme. Wireless devices connected to a wireless network must:

- A. Be configured for compatibility with the host wireless network's security requirements. These security requirements are necessary to prevent unauthorized access to the wireless network, and also to prevent damage to computers using the wireless network.
- B. Be granted access to the host wireless network through the use of a security code (password) established by the host wireless network's administrator to protect the network from unauthorized use. Public wireless networks may require both a login and a password for a connection.

## Connecting the Janam XT40 to a Wireless Local Area Network (WLAN)

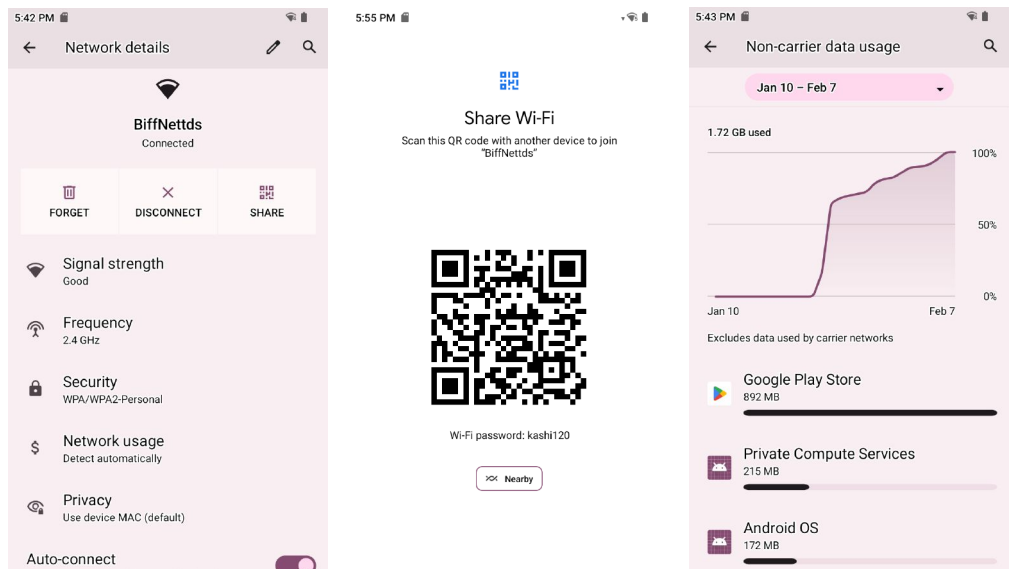
To initially connect the XT40 to a wireless local area network, go to **Settings > Network & internet > WLAN**. Turn **WLAN networking** on. The XT40 will begin searching for available Wi-Fi networks. After a few seconds it will list what it has found, including the approximate signal strength and whether or not a network is secured by a password or not. Tap on your preferred network. Enter the password. The connection will be established. Upon successful completion, the network link will show up as **Connected**.



Tap on the network you are connected to show connection information (signal strength, frequency, security, network usage and privacy). You may also opt to **forget** this network.

You can **Share** the network via a QR code.

In **Settings > Network & internet** you may also tap on **Non-carrier data usage** to see how much data you used in a given time span.



## Network preferences

- **Turn on Wi-Fi automatically:** When on, Wi-Fi will turn back on automatically near saved networks (Wi-Fi scanning must be turned on for this option to work).
- **Notify for public networks:** Notifies you when a strong public network is available.
- **Install certificates:** Certificates use a cryptographic key for certain secure web connections. Certificates are saved on **Settings > Security > More security settings > Encryption & credentials >**.
- **Wi-Fi Direct:** Used for peer-to-peer Wi-Fi connections that do not need a Wi-Fi wireless access point.
- **WLAN Band:** Selects 2.4GHz, 5GHz, or auto.
- **Wi-Fi Roam Trigger:** Selects at what signal strength roaming may start.

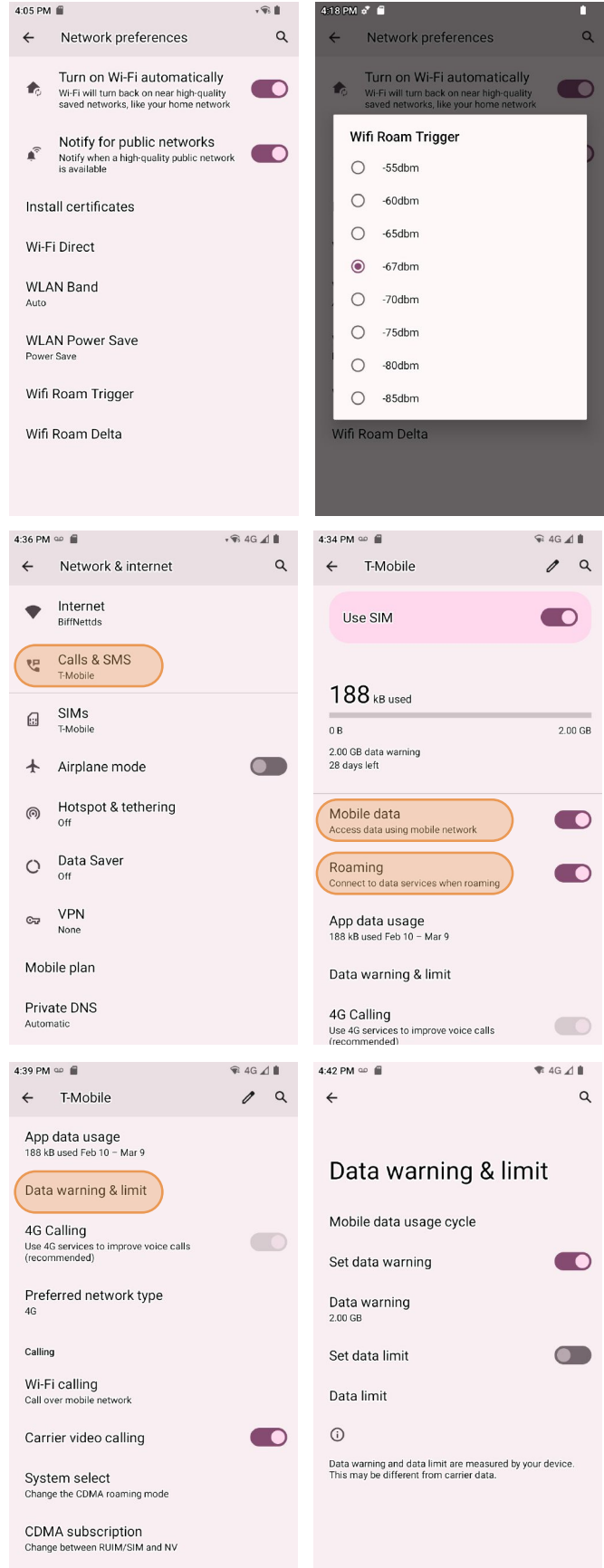
## Mobile network

If your XT40 has mobile phone and data service, you can adjust how your device uses data.

- **Mobile Data:** Determines if the XT40 uses mobile data or if connectivity is limited to voice.
- **Roaming:** Allows or disallows to connect to data services other than your primary provider when roaming (to prevent unexpected expense).

## Mobile data settings

In on **Settings > Network & internet > Internet > [your provider]** you can see data usage by app, set data warnings and limits, and the preferred network type. You can also enable or disable Wi-Fi calling and video calls, and control various network provider-specific items.



## Bluetooth

### ***Introduction***

Bluetooth is a popular PAN (Personal Area Network) technology used for short-range wireless communication. Devices with Class 2 Bluetooth capabilities, such as the Janam XT40, can send and/or receive information over distances of approximately 10 meters (30 feet).

Unlike older infrared technology, Bluetooth does not rely upon uninterrupted line-of-sight between devices that need to exchange information. As a result, you can send information to or receive information from another Bluetooth-capable device even if the two devices are located in different rooms, as long as they are within range.

#### **Bluetooth can be used to:**

- Enjoy the convenience and productivity of a wireless headset.
- Send or receive information such as files, appointments, tasks and contact cards between Bluetooth-capable devices.
- Print from the handheld device to Bluetooth-enabled printers.
- Use a Bluetooth service. Once you connect to another device or computer using Bluetooth, you can locate and use any of the services available on that device.

There are several ways to set up your computer for wireless access and the following section details the general instructions needed to set up Bluetooth on your Janam XT40 rugged touch computer. Please note that complex or custom installations may require additional expertise from Janam's technical support team and/or the manufacturer of the device to be paired.

#### **Bluetooth Partnerships:**

A Bluetooth partnership (often referred to as a pairing) is, as it relates to this chapter, a relationship created between the XT40 and another Bluetooth-capable device to securely exchange information or provide a Bluetooth function. Creating a partnership involves (A) one Bluetooth device being instructed to discover other Bluetooth devices that have been authorized to be visible and within its range, and (B) entering the same Bluetooth Passcode on both devices. Once a partnership is created, the then partnered (or paired) devices need only have Bluetooth turned on and be within range to function. Already partnered Bluetooth devices do not need to be made visible.

Once partnered, the devices can exchange information without re-entering the Passcode.

## Bluetooth Concepts

Bluetooth does not have to be on in order for the XT40 to function. In fact, since the Bluetooth radio consumes power, it should be turned off when it is not needed. You can see that Bluetooth is active when the small **Bluetooth icon** is visible in the **status bar** on top of the **home screen**. Swiping down from the top of the XT40 screen reveals an extended view where Bluetooth can be turned on or off. In the example shown below, the Bluetooth tile is lit up, which means Bluetooth is on.

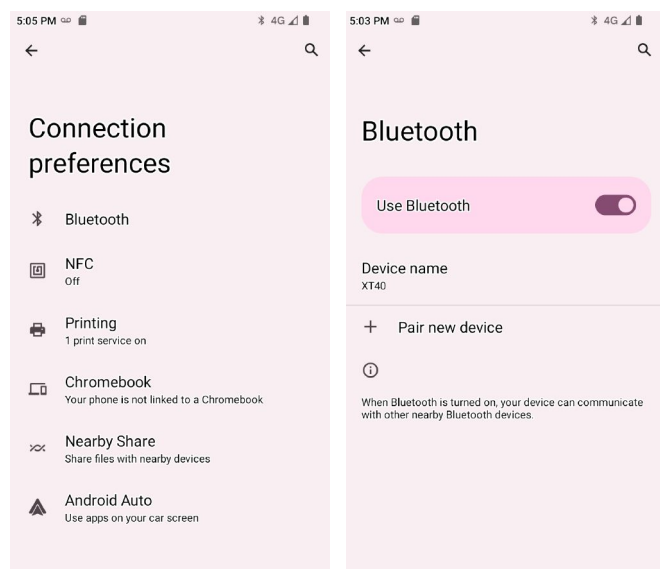
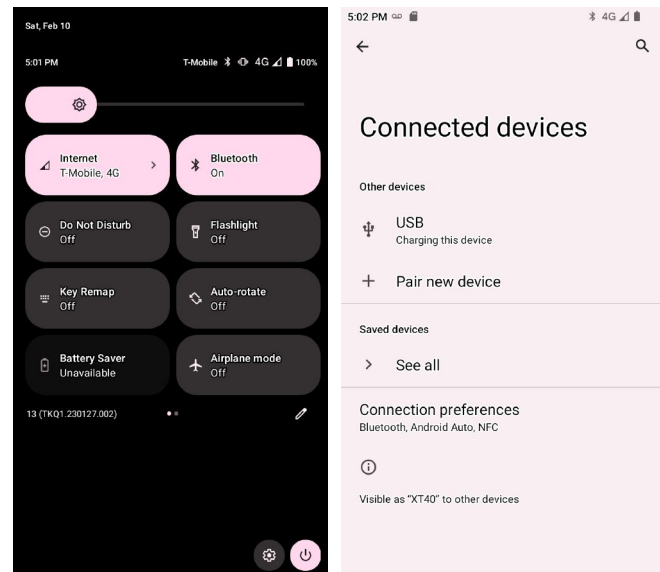
Note that in Bluetooth terminology, there is a difference between “**paired**” and “**connected**.” Paired means that a Bluetooth relationship has been established between two devices, and they know each other. Connected means the devices have an active connection.

Depending on the type of device, a connection may be established automatically once already paired devices are within range (like a Bluetooth keyboard for a desktop computer). For other paired devices it may make more sense to manually connect them as needed (like for file transfer between devices).

Bluetooth connections can have different capabilities, such as sending or receiving files, providing certain information, providing certain types of security, or connecting to certain sensors. Services can work one way or both ways.

In order for the XT40 to establish a Bluetooth connection, it needs to be **discoverable**, i.e. Bluetooth must be on and other Bluetooth devices must be able to “discover” it as a connection candidate. To make the XT40 discoverable, go to **Settings > Connected devices > Connection preferences > Bluetooth** and turn Bluetooth status on.

Note that it’s not always easy to determine the nature of discovered devices, especially when they are shown to the right, two are listed only by the MAC (Media Access Control) hardware address. To keep the XT40 from showing up with such a code or serial number, rename it to something descriptive (like “Bob’s XT40”).



## Bluetooth Pairing

Due to the large number of Bluetooth enabled devices there are really no universal pairing procedures. Pairing your smartphone with your car may be very different from pairing your XT40 with a desktop PC or portable printer. And pairing with a device with a display will be different than pairing something that does not have a display, like headphones.

The example to the right shows pairing the XT40 with a desktop Apple iMac. Go to **Connected Devices > Bluetooth**, turn Bluetooth on, and wait until the Mac shows up as a device that can be paired, then **Tap to Pair**.

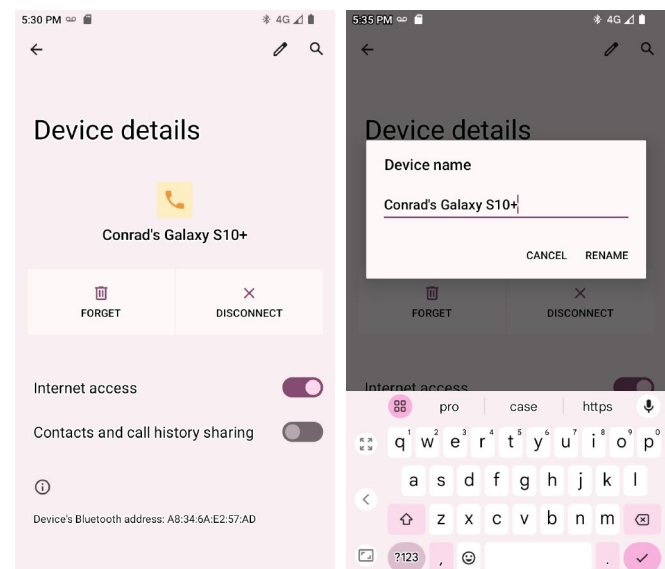
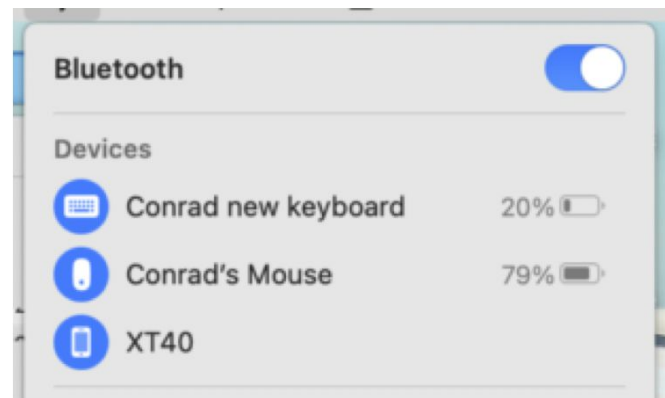
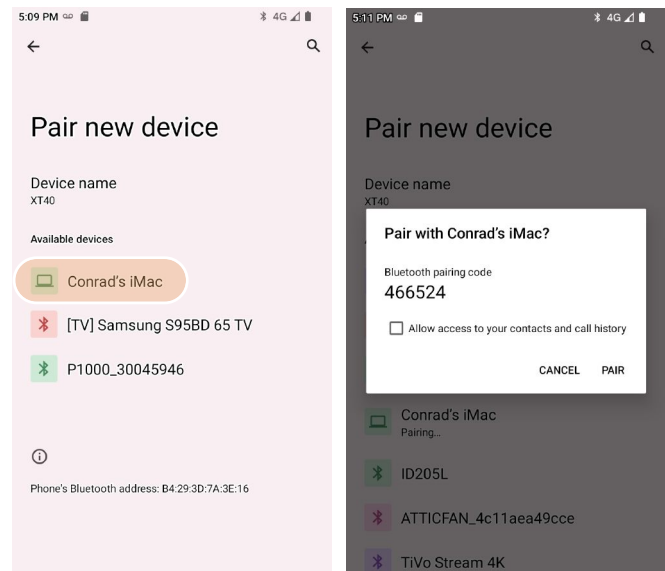
In this combination, the XT40 then receives a pairing request from the iMac, which you accept. And in this instance, a unique **6-digit Passkey number** is generated so that you know you're pairing with the device you intended to pair.

If the number is the same on both devices, accept the pairing request on both the XT40 and the iMac, and after a bit, the two are then paired.

Paired devices will remain on the XT40's list. There is no need to pair the same devices again. They will stay paired until you tap and hold a paired connection on the XT40 and select **delete** on the resulting popup.

## Available Bluetooth Services

As stated above, Bluetooth "services" between two connected devices vary. In the above case, the pairing between the XT40 and an Apple iMac allowed contacts and call history sharing. In the Janam example shown to the right, the X40 is paired with another phone and shares internet access. Other connections may allow to browse or exchange files between paired devices. Note that shared device names can be edited for clarity.



## Camera

### Introduction

The Janam XT40 rugged touch computer features a high-resolution 13 megapixel CMOS rear-facing autofocus camera with user-controllable LED flash for capturing crisp still pictures and video recording up to 1080p. Both functions are useful for documentation of inventory locations, product damage, procedures and more. In addition, the XT40 incorporates a 5.0 megapixel front-facing camera primarily intended for video conferencing and video calls.

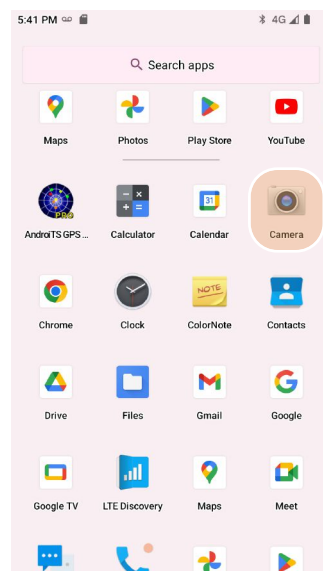
#### Different ways to activate the camera:

- Tap the **Camera** icon on the XT40 **Apps Screen**
- Tap the **Camera** icon on the XT40 **Home Screen** (if you placed a camera shortcut there)
- Optional: set programmable hardware button to launch the camera (Use **System** > **Remap Key** to assign launching the camera to one of the programmable buttons)

From Start Screen (if added)



From Action Center



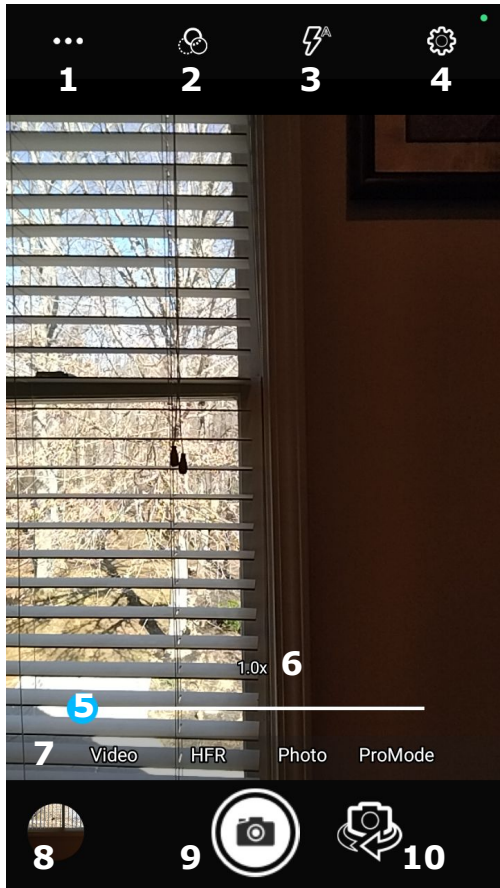
Programmable button can be set to launch camera



## Camera Controls Overview

All of the XT40 camera controls are located onscreen. The camera can be used both in portrait or in landscape orientation.

Camera controls in portrait mode



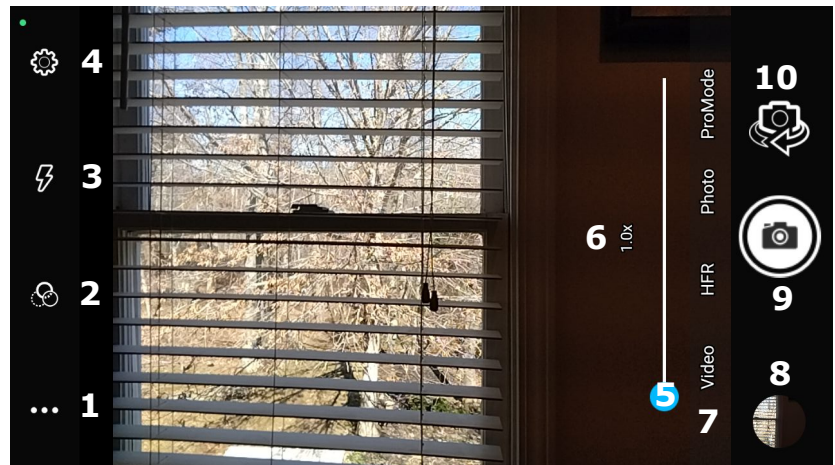
Front camera location



Rear camera location



Camera controls in landscape mode



- 1 **Lighting mode.** Select either Automatic or High Dynamic Range.
- 2 **Image effect.** Select from 7 different effects (none, mono, sepia, negative, solarize, posterize, aqua).
- 3 **Flash.** Cycles on/off/automatic.
- 4 **Settings.** Tap to go to the settings menu.
- 5 **Zoom slider.** 1x to 8x digital zoom
- 6 **Zoom slider position.** Shows current zoom.
- 7 **Recording mode.** Video/High Frame Rate (30fps)/Photo/ProMode (manual settings).
8. Tap to bring up **Gallery app** for image editing and sharing.
9. **Shutter Release**
10. **Camera selection.** Tap to toggle between front and rear camera.

## Camera Operation

### Focusing and metering

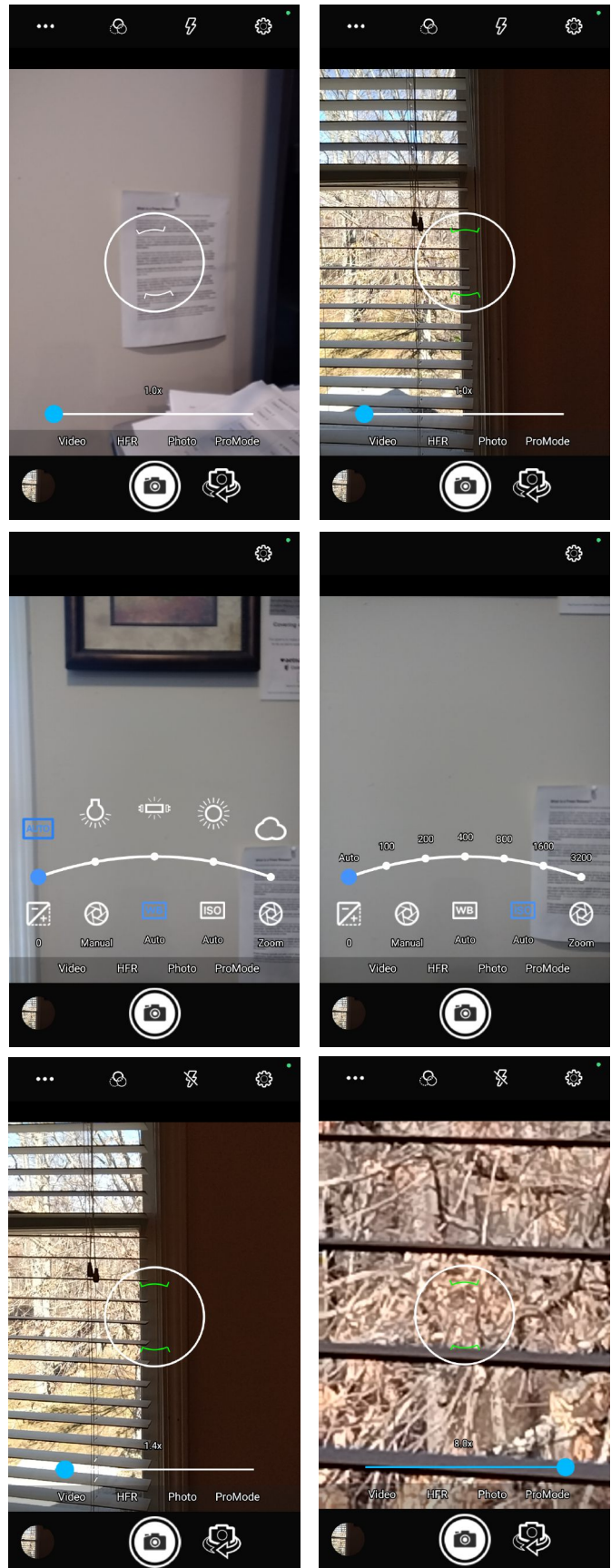
The XT40 camera has autofocus and automatic light metering, but you can also tap on the area or point you wish to center on. The center of the metering circle will be white while adjusting, green when locked in, and red when it can't meter or focus properly.

### ProMode

ProMode allows a degree of manual control when taking still pictures. Manual control is available for exposure compensation (-2 to +2 in 0.5 increments), focus (macro to infinity), white balance, ISO (100-3200 or auto), and zoom (1x to 8x).

### Camera Zoom

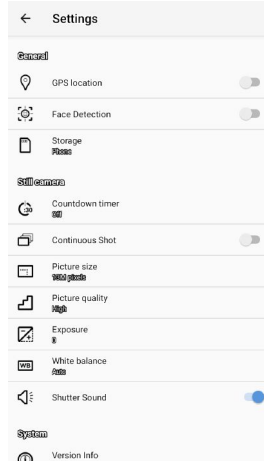
Both of the XT40's cameras have up to 8X digital zoom. To zoom in and out, touch with two fingers, then pinch them together or drag them apart.



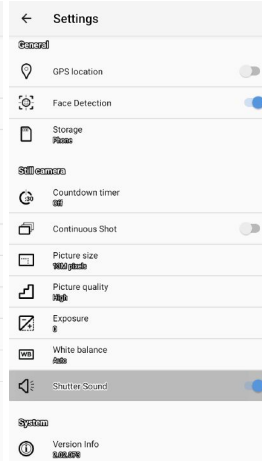
## Camera Settings: Camera

The XT40 offers a wide range of easily accessible still camera settings.

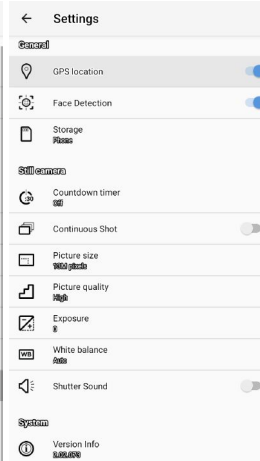
### All settings



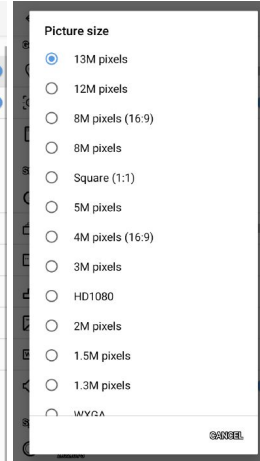
### Shutter sound



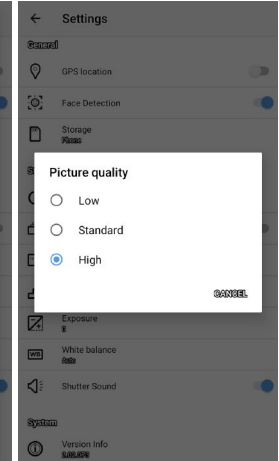
### GPS



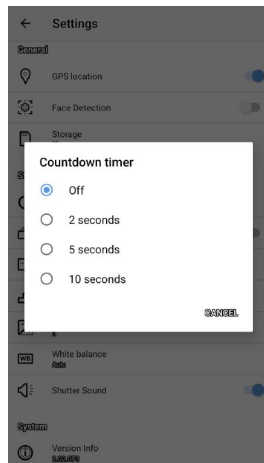
### Picture size



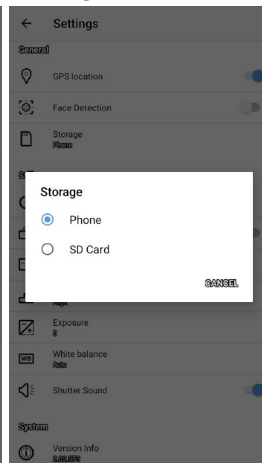
### Picture quality



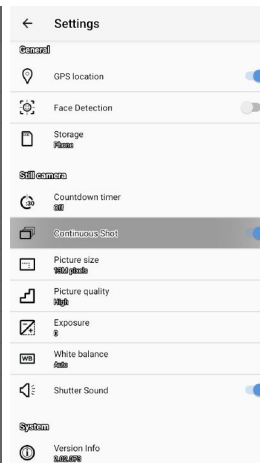
### Countdown timer



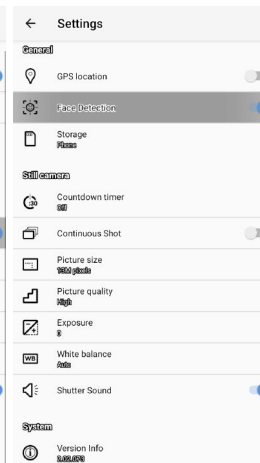
### Storage location



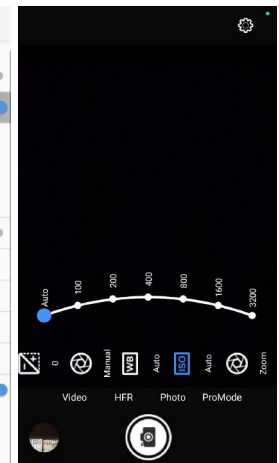
### Continuous shot



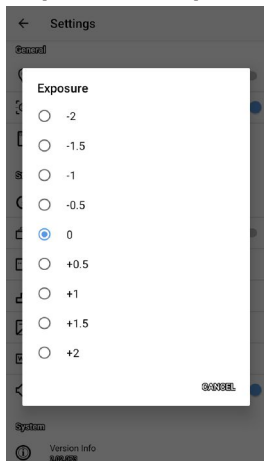
### Face detection



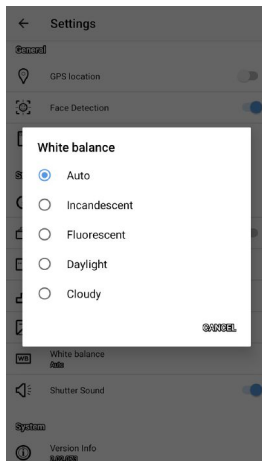
### ISO



### Exposure comp.



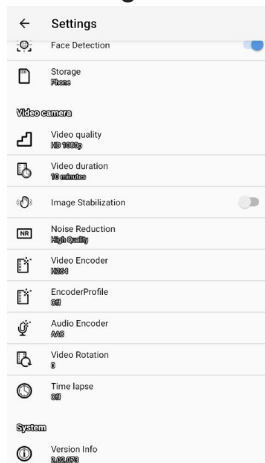
### White Balance



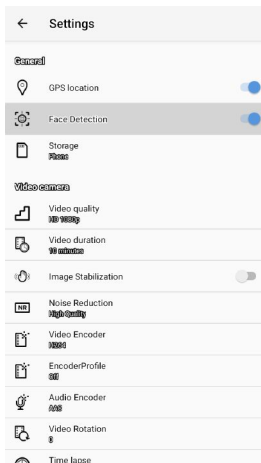
## Camera Settings: Video

The XT40 offers a wide range of wide range of easily accessible video settings.

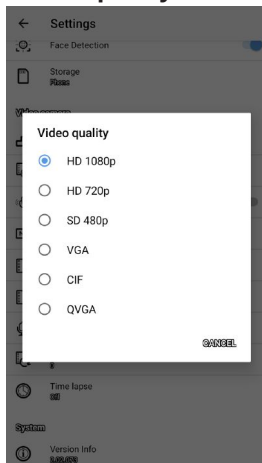
### All settings



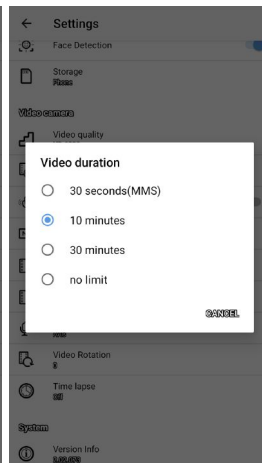
### Face Detection



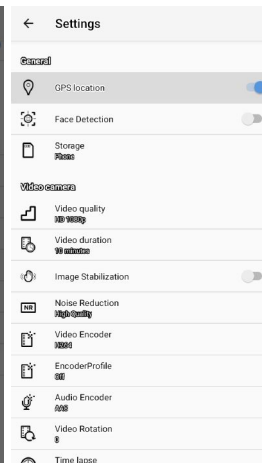
### Video quality



### Video duration



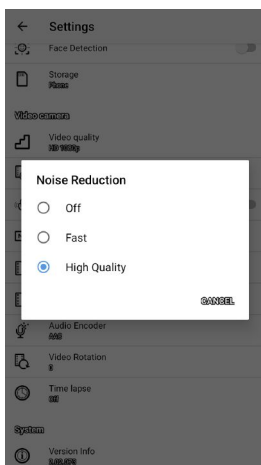
### GPS location



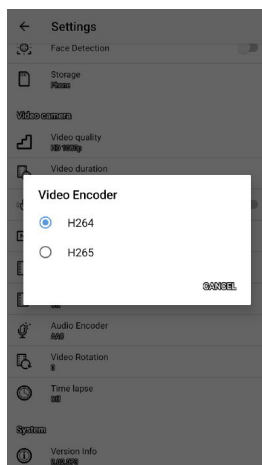
### Storage location



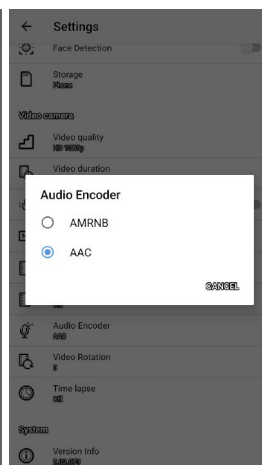
### Noise reduction



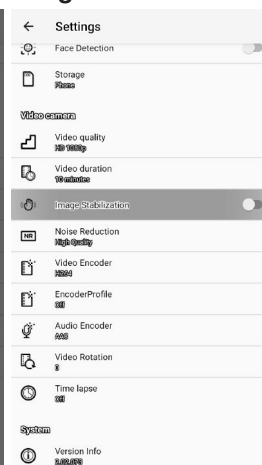
### Video encoder



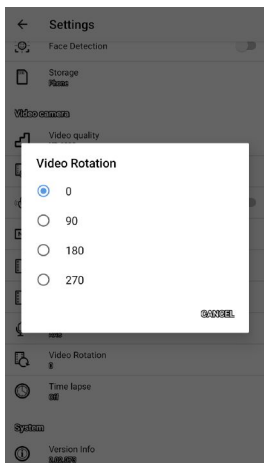
### Audio Encoder



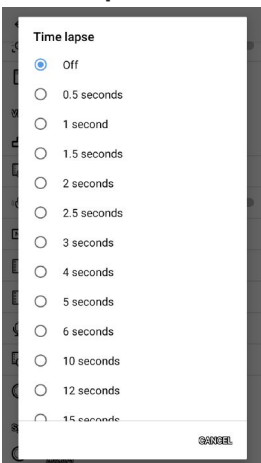
### Image stabilization



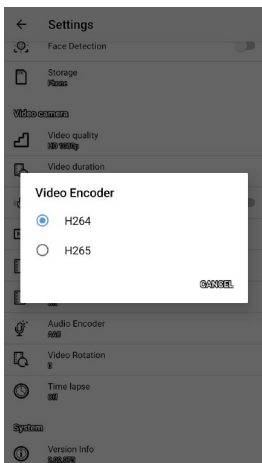
### Video Rotation



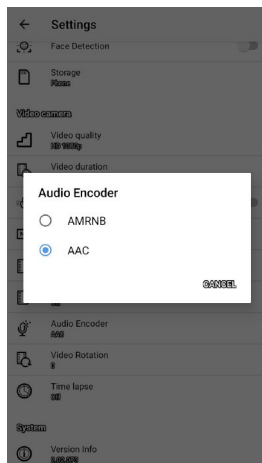
### Time Lapse



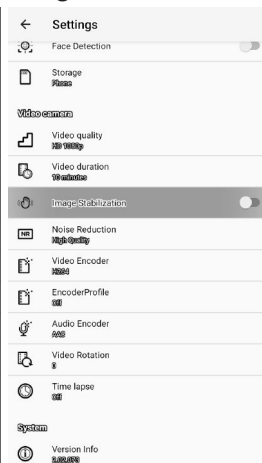
### Video Encoder



### Audio Encoder



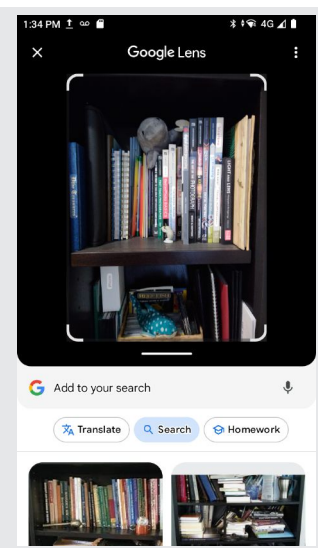
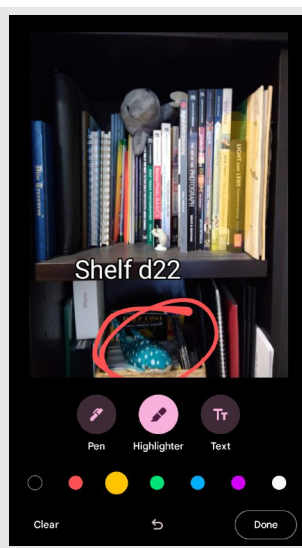
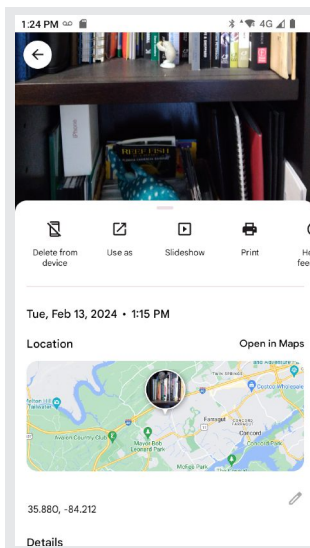
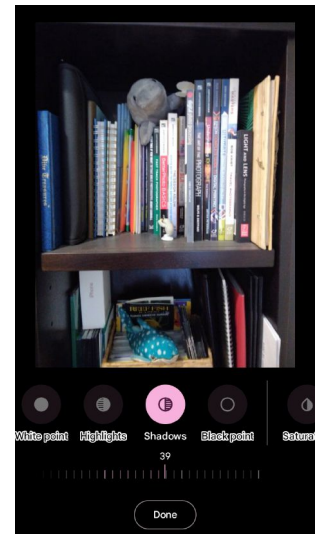
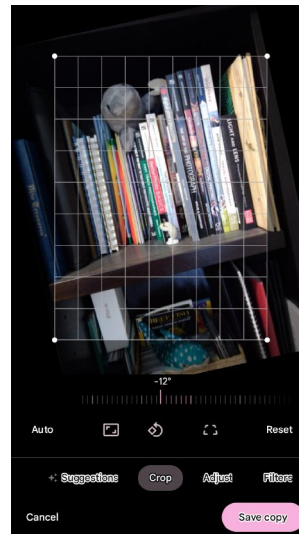
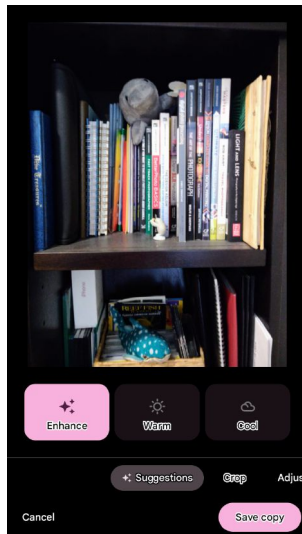
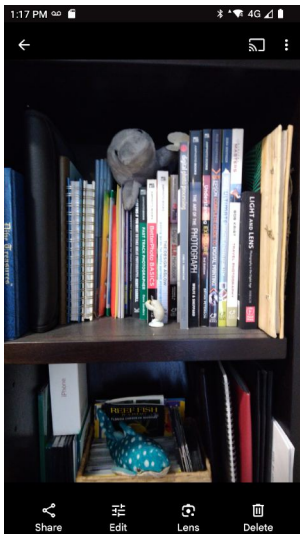
### Image stabilization



## Editing Pictures with the Gallery app

The Android **Gallery** app has three major edit function areas:

- ☐ Sharing via email, Bluetooth, messaging, Google Meet, print, etc.
- ☐ Editing (cropping, adjusting, filters, straightening, rotating, markups).
- ☐ Using Google Lens to search or compare pictures, identify objects, translate, etc.



## Email

### Introduction

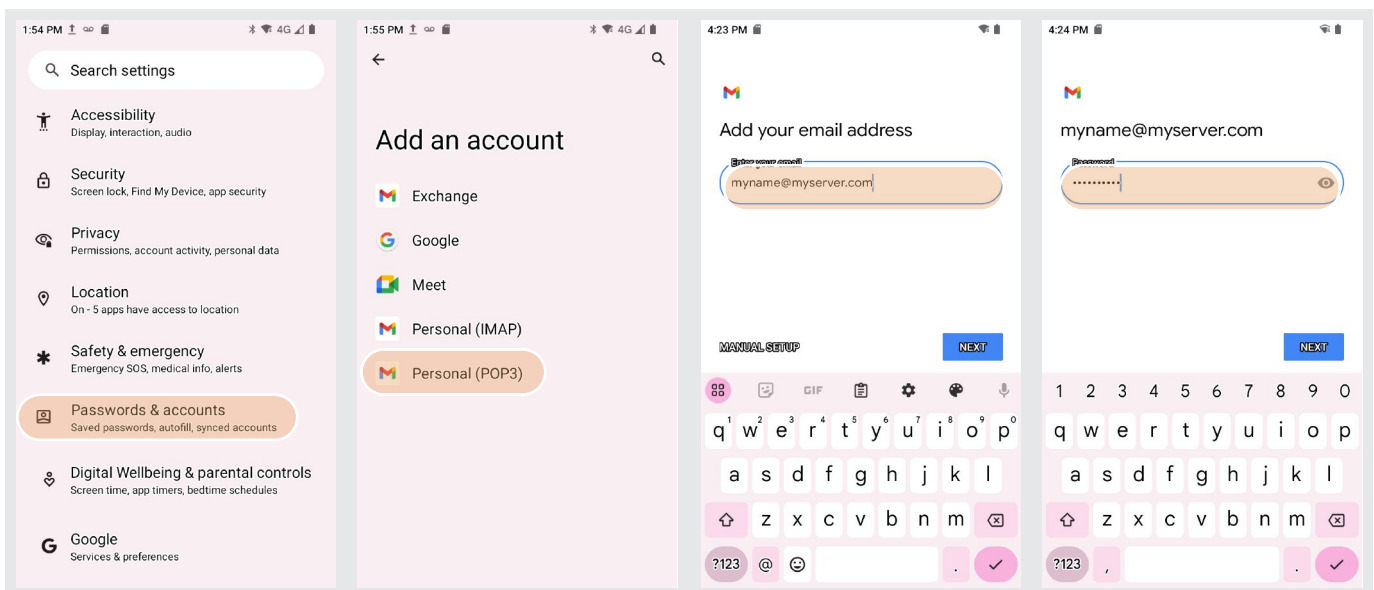
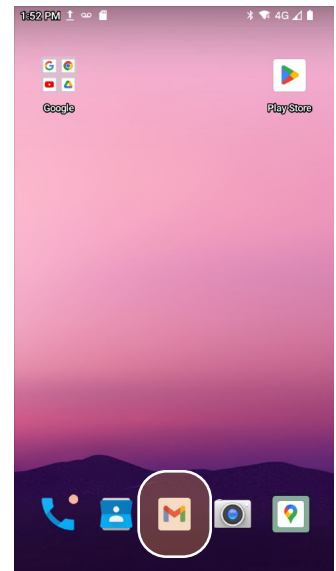
Like a smartphone, laptop or desktop PC, the XT40's email interface acts as a portal to an already existing email account with one of the commonly available email service providers such as Gmail, Microsoft Outlook, Yahoo or a private enterprise (corporate) network. This allows the XT40 to receive, read, respond to, and send emails.

The default **Email app** installed on the XT40 can accommodate a single email account or multiple accounts. It can also be used with a **Gmail** account without setting up an actual Google account on the XT40.

Before setting up an email account on the XT40, be sure that a core email address is active with an email service provider or within a private enterprise (corporate) network to which the XT40 user has access and authorization.

### Setting up Email

To add your email account(s) to the XT40, tap on **Settings > Passwords & accounts** on the Apps screen. Select from Exchange (Microsoft's email server solution), Google, Meet or Personal IMAP/POP3 for any other private or corporate email account you use.



## Manual Email Setup

If your email provider isn't on the list of popular and commonly used email service providers, or your email provider requires more during setup than just email address and password, the email setup procedure may have separate incoming and outgoing server settings.

Incoming server settings may include port number, security type, and whether or not email should be deleted from the server when it is deleted from the XT40.

Outgoing server also may include port number, security type, and whether or not sending mail requires a sign-in each time.

### During Email Setup

During email setup you will be asked how often you want your XT40 to check with your email provider and update email. "Never" means you'll do it manually.

You can also request notifications when email arrives on this account, and whether email should be synced for the account in the first place.

The image displays four sequential screenshots of the XT40 email setup interface, arranged in a 2x2 grid. Each screen features a status bar at the top with the time and signal strength indicators.

- Top-left screenshot (4:25 PM):** Titled "Incoming server settings". It contains three input fields: "Username" with the value "myname@myserver.com", "Password" with masked characters "\*\*\*\*\*", and "Server" with the value "myserver.com". Below these is a dropdown menu for "Delete email from server" currently set to "When I delete from Inbox". A blue "NEXT" button is at the bottom right.
- Top-right screenshot (4:29 PM):** Titled "Account options". It shows "Sync frequency" set to "Every 15 minutes". There are two checked checkboxes: "Notify me when email arrives" and "Sync email for this account". A blue "NEXT" button is at the bottom right.
- Bottom-left screenshot (4:25 PM):** Titled "Incoming server settings". It is identical to the top-left screenshot, but the "Delete email from server" dropdown menu is open, showing "Never" as the selected option. A blue "NEXT" button is at the bottom right.
- Bottom-right screenshot (4:30 PM):** A completion screen titled "Your account is set up and email is on its way!". It includes an input field for "Account name (optional)" with the value "myname@myserver.com" and another input field for "Your name". Below the "Your name" field, it says "Displayed on sent messages". A blue "NEXT" button is at the bottom right.

## General Email settings

In email, **General settings** apply to all of your email accounts. Most of these settings are self-explanatory:

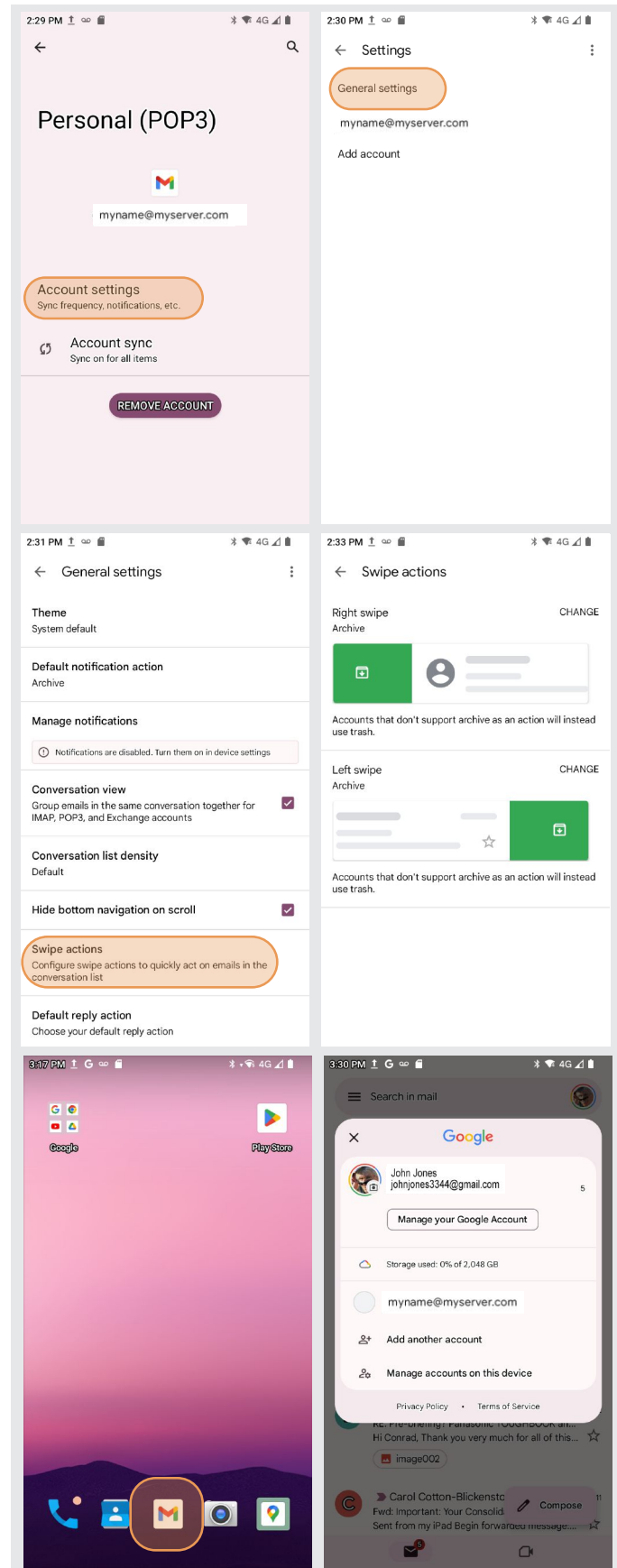
- Setting the theme
- Setting the default notification
- Managing notifications
- Displaying sender image
- Setting the conversation view
- The default reply action
- Auto-fit messages on the display
- Auto-advance settings
- What to display after a delete
- Confirm before deleting a message
- Confirm before sending a message

## Multiple Email accounts

You can set up multiple email accounts on your XT40. Each email account can be viewed separately, or you can elect to view all email together in one inbox.

To switch between email accounts, tap and hold the profile picture in the upper righthand corner to select the account you wish to view.

To switch to a combined view of all inboxes, tap the options icon in the upper lefthand corner and select "All inboxes."



## Account name and your name

While the actual email address cannot be changed, account name and your name can.

## Mobile signature

Business email usually benefits from a customized signature with name, title, company, etc. This is where it's set up.

## Images

Whether or not images should automatically be displayed.

## Sync frequency

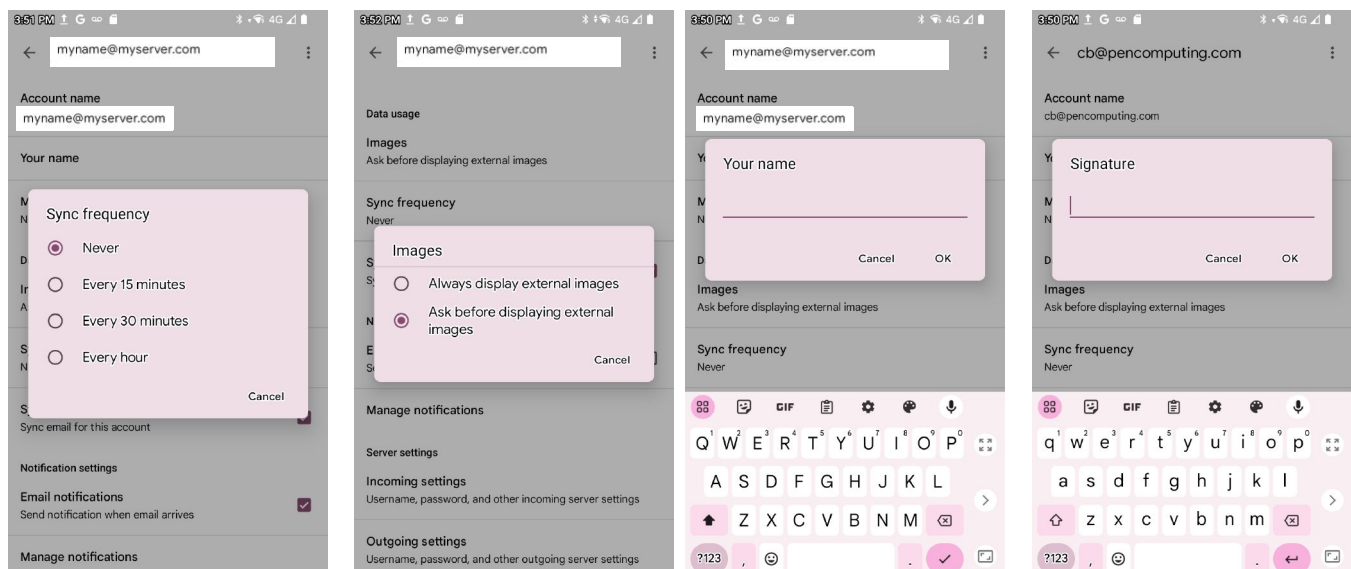
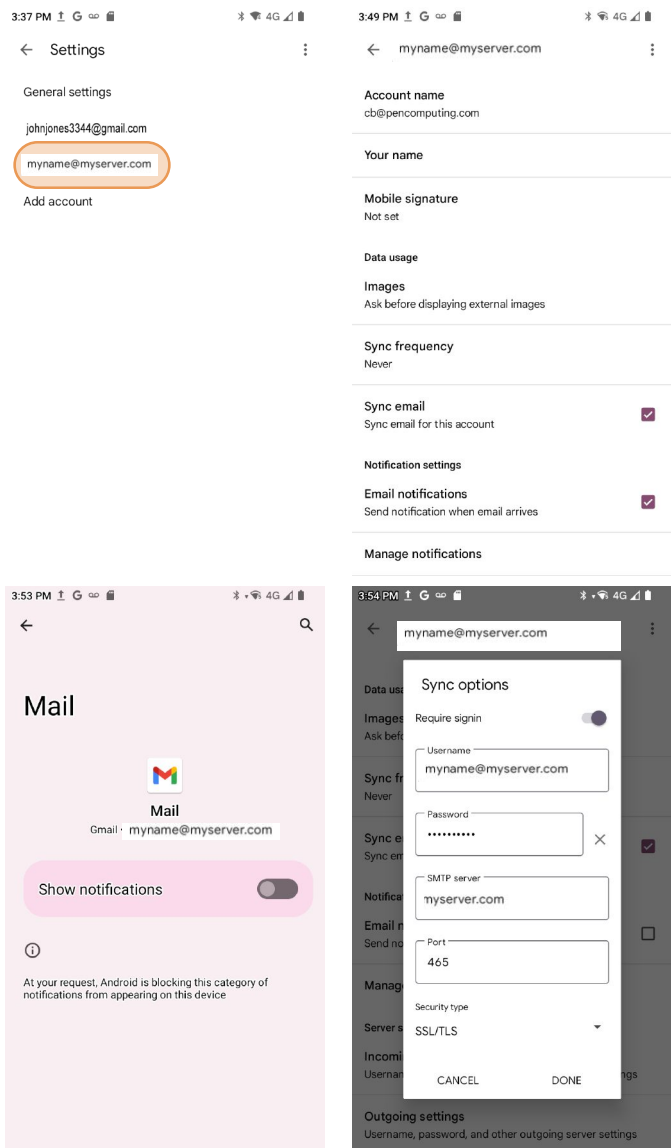
How often you want to check for mail.

## Notification settings

Here you can set whether you want to be notified if new email arrives. You can choose a special ringtone, and whether there should be a vibrate or other alert.

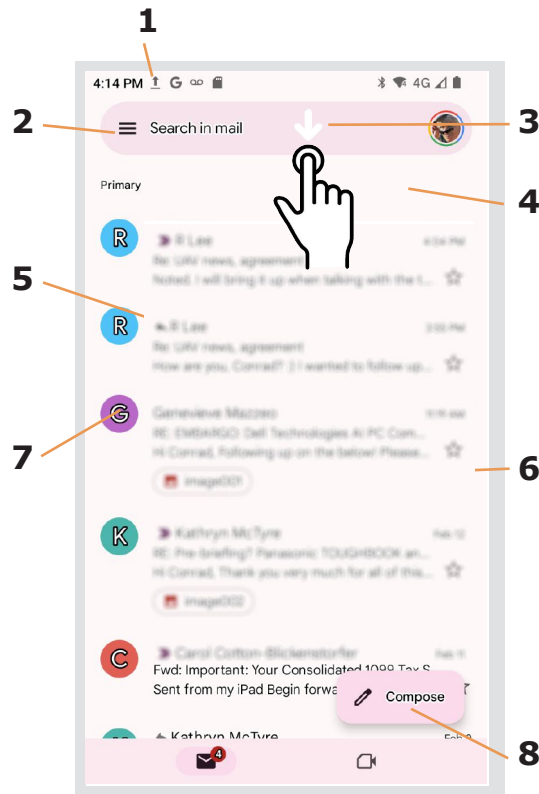
## Server settings

Set or change incoming and outgoing server settings (passwords, account name, ports, etc.).



## Email Inbox

This is what the stock Email Inbox looks like:



- 1 Status icons, same as on Home Screen
- 2 Tap to select which folder and account to use
- 3 Swipe down to check for new email
- 4 Attachment
- 5 Email sender and title
- 6 Tap on individual emails to see full text
- 7 Tap to select multiple emails for action
- 8 Compose a new email message

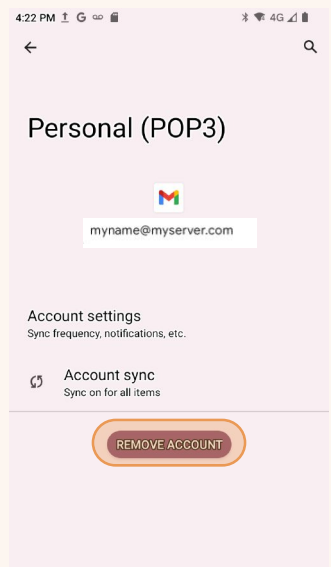
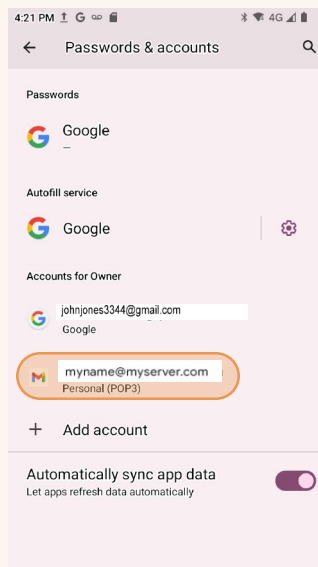
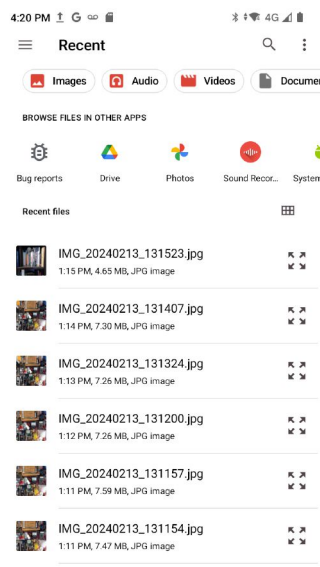
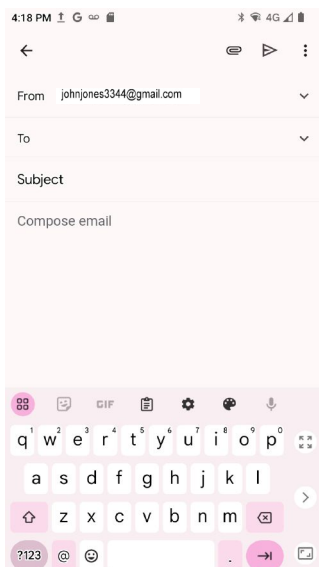
### Creating and Sending an Email:

From the Email Inbox, tap the **pencil icon** (8) to launch a new email. Tap on **To:** to bring up the keyboard. Begin typing the email address. Tap down arrow to open CC and BCC fields.

Tap on the text area to begin typing (or dictating) your email. Tap the **paperclip icon** to add an **attachment** from a variety of sources. When done, hit the paper **airplane icon** to **Send**.

### Deleting an Email account:

To delete an email account, go to **Settings**, tap on **Accounts**, tap the desired account, make sure sync is off, tap account again, tap for popup, select Remove account.



## Tools

One of the great strengths of the Android operating system is the wealth of tools, utilities and productivity apps readily available. The XT40 comes with a sample of handy tools. Many more can be loaded from the Google Play Store and other download sources.

### AndroiTS GPS Test

Versatile positioning app that shows location and related data in a variety of ways.

### Files

Powerful file manager to locate, sort, examine, select, and manage files.

### LTE Discovery

An interesting signal discovery and analysis tool with many advanced features and customizations available.

### WiFi Diagnostics

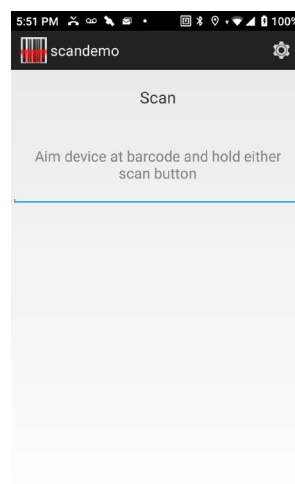
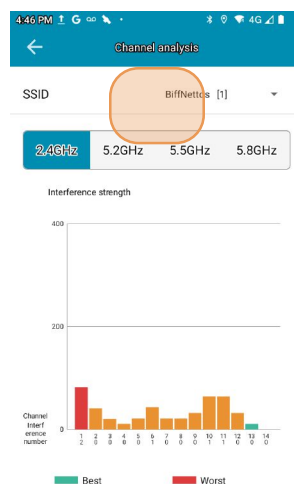
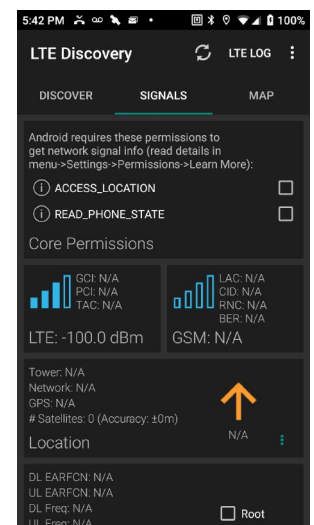
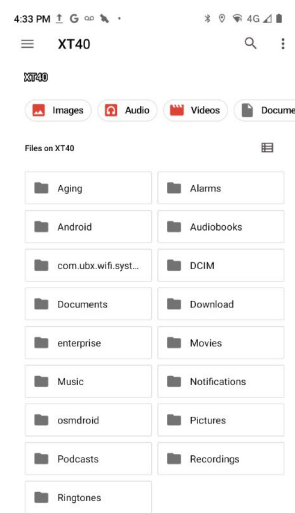
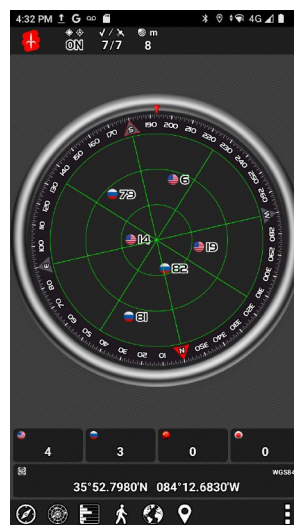
Handy tool to check WiFi strength and check various network aspects.

### ScanDemo

Simple scan demo app that also supplies access to all scan settings.

### Systems Info Droid

Comprehensive system info app that provides a wealth of spec and technical info.



| System Info Droid Specifications |                          |
|----------------------------------|--------------------------|
| Device                           | Janam Technologies XT40  |
| Android                          | 10                       |
| Processor                        | Unknown                  |
| CPU Max Frequency                | 2400 MHz                 |
| CPU Cores                        | 8                        |
| System RAM                       | 6.53 GB                  |
| GPU                              | Qualcomm Adreno (TM) 610 |
| Audio Chipset                    | Realtek                  |
| Internal Storage                 | 64.50 GB (58.98 GB Free) |
| Display Size                     | 7.00 inch (180 mm)       |
| Screen Density                   | 404 ppi (272 dpi)        |

## Remap Key

With the **System > Remap Key** tool you can change the setting of any of the XT40's hardware and software buttons.

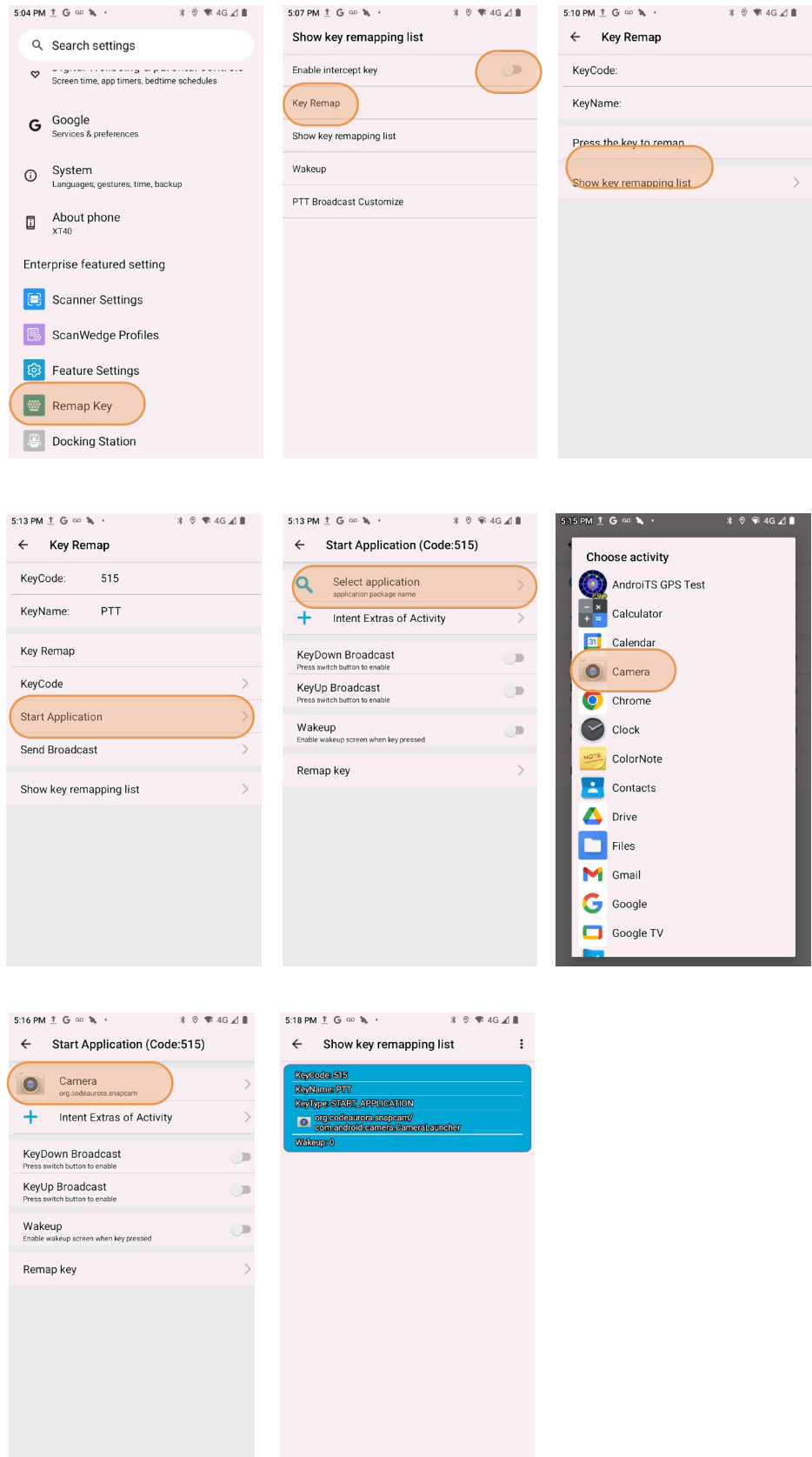
If, for example, you wish to map the XT40's camera to the programmable button on the right side of the device, launch **Key Remap**, make sure the **Enable intercept key** is on, tap **Remapping Options**.

Press the programmable key to bring up its keycode (515).

From the options, select **Start Application**.

Tap **Select application** to bring up a list of all apps that can be assigned. Select **Camera**.

The programmable button will now launch the camera.



## Barcode Scanning

### Using the 1D/2D Imager

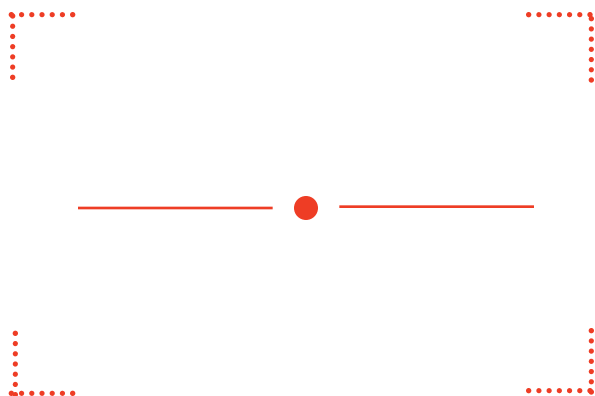
Janam's XT40 is available with an integrated 1D/2D barcode scanner to eliminate the challenges often associated with camera scanners or bulky sled attachments.

#### Scanning with the Janam XT40

The XT40's integrated barcode scan window is located on the top edge of the device.

When triggered via **onscreen control** or **one of the two scan buttons** highlighted in orange in the illustration to the right, the barcode scanner emits a soft-edged rectangular illuminated area with a red rectangle that serves as a confirmation of scan triggering and as a general targeting guide.

A bright, red aiming dot enables users to easily select a single barcode to capture in a field of barcodes.



**CAUTION!**  
Never stare directly into the barcode scan beam emitted from the barcode imager window!

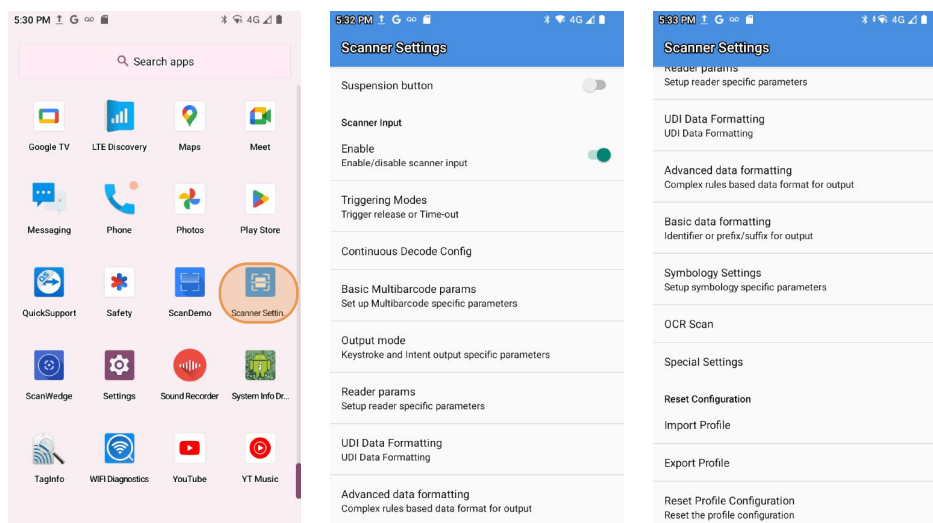


Never point the barcode beam emitted from the barcode imager window into the sightline of others!

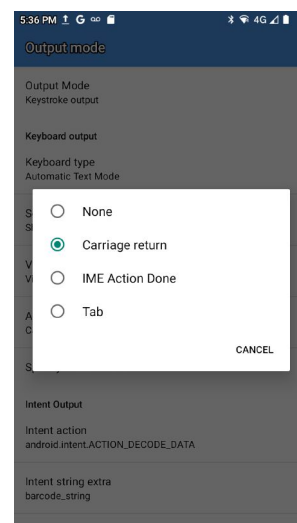
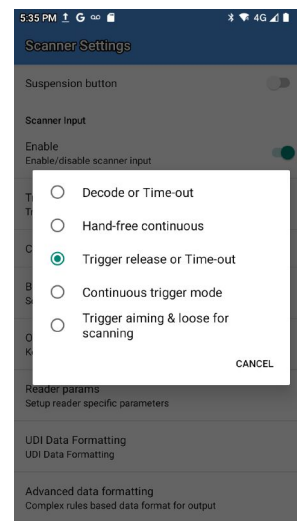
Damage to eyesight can result as a result of failure to adhere to these precautions.

## Scan Settings

Tap **Scanner Settings** to configure the XT40's scan engine and software. This is where you set how the scanner will work, how it will announce and communicate results, what all the scan operation settings should be and, most importantly, which of the numerous code symbologies the scanner should read.



| Tab             | Section           | Option               | Description                                                                                                                          |
|-----------------|-------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Basic           | Scan button       | On/off               | Brings up a red scan touch button.                                                                                                   |
|                 | Trigger mode      | Host, Contin., Pulse | Host (as long as you press), Continuous, (press to scan, press again to stop), Pulse (scans for 5 seconds),                          |
|                 | Clipboard         | On/off               |                                                                                                                                      |
| Keyboard Output |                   | Keyboard type        | Can be automatic text, soft keyboard, or always physical keyboard                                                                    |
|                 |                   | Sounds               | Can be none, short, sharp, or sharp 2                                                                                                |
|                 |                   | Vibrate              | Can be on or off upon successful scan                                                                                                |
|                 |                   | Action key character | None, Carriage return, IME Action Done, Tab                                                                                          |
|                 |                   | Control character    | examples: \x31\x41\x09\x0a                                                                                                           |
| Intent Output   | If Kbd out is off | Intent action        | Intent Output packages scanned and processed data to be sent to an associated foreground application                                 |
|                 |                   | Intent string data   | Enter a barcode data string                                                                                                          |
|                 |                   | Sounds               | Can be none, short, or sharp                                                                                                         |
|                 |                   | Vibrate              | Can be on or off upon successful scan                                                                                                |
|                 |                   | Coding format        | Can be UTF-8, GBK, BIG5, SHIFT-JIS, ISO-8859-15, US-ASCII, UTF-16, UTF-16BE, UTF-16LE                                                |
|                 |                   | Laser on time        | Set in milli-seconds                                                                                                                 |
|                 |                   | Security level       | Linear security level can be set to 1, 2, 3, 4                                                                                       |
|                 |                   | Lights configuration | Set various combinations of illumination and aimer lights                                                                            |
|                 |                   | Exposure mode        | Can be auto or fixed                                                                                                                 |
|                 |                   | Fixed Exposure       | If exposure s fixed, its value can be set                                                                                            |
|                 |                   | Decode Windowing     | If On, its mode and size can be set                                                                                                  |
|                 |                   | Debug Window         | Set on or off                                                                                                                        |
| Reset config    |                   | GS Code Setting      | Set on or off                                                                                                                        |
|                 |                   | Label formatting     | Set prefix, suffix, label pattern, replace rules, remove non-printable characters, use an app identifier or not, and apply a Code ID |
|                 |                   | Symbology Settings   | Allows separately configuring symbologies                                                                                            |
|                 |                   |                      | Import and export profiles, of reset the entire decoding subsystem.                                                                  |



## Intent Output Options

**Laser On time** — Laser-On time can be set from 500ms (1/2 second to 9900ms (9.9 seconds)).

**Linear security** — Can be from 1 to 4. Higher security levels are used for decreasing levels of bar code quality.

**Lights configuration** — Allows you to customize aimer and illuminator.

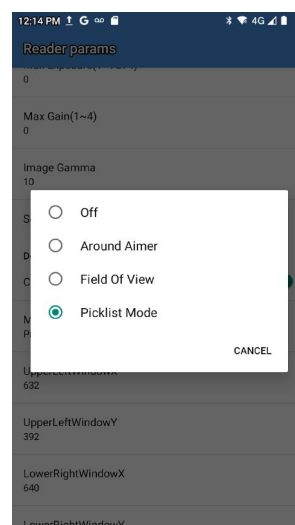
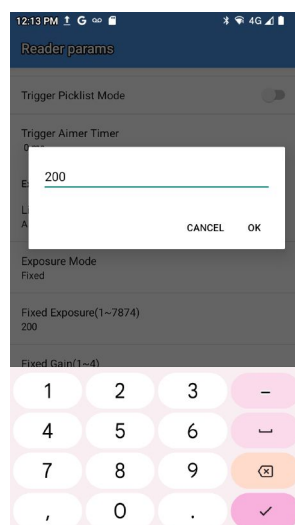
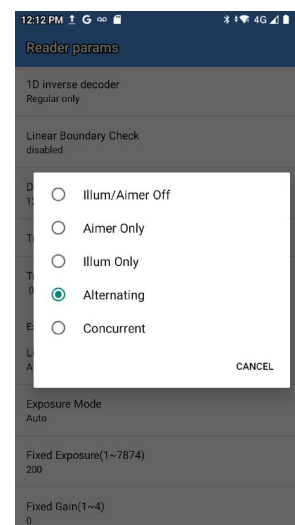
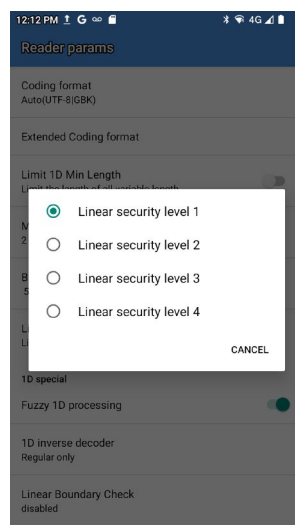
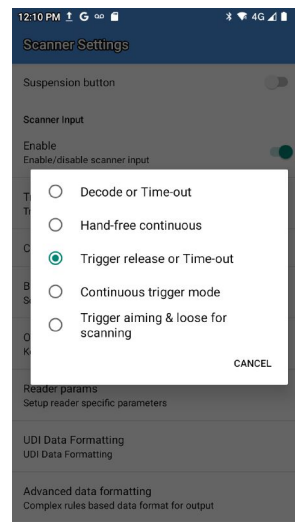
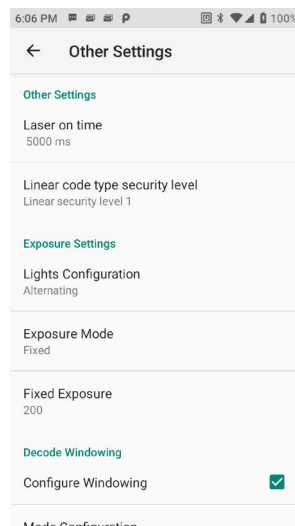
**Exposure mode** — Set to automatic or fixed. If fixed, adjust value.

**Configure windowing** — Toggles on and off.

**Window mode configuration** — Can be off, around the aimer, field of view, or picklist.

**Label formatting** — Sets various label formatting options (prefix, suffix, format, character replacement, etc.).

Note that these settings can have great influence on both scan speed and scan decoding accuracy. For detailed technical information on the impact of scan-related settings, please contact JanamCare.



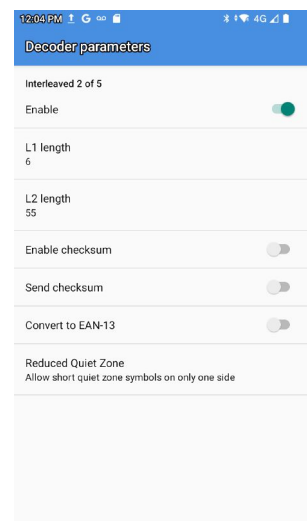
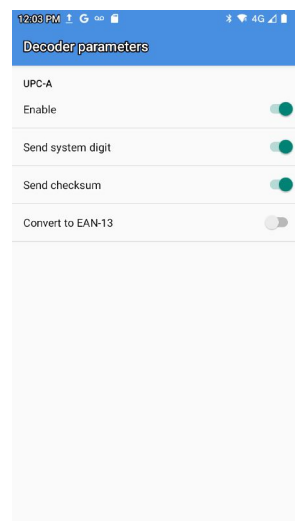
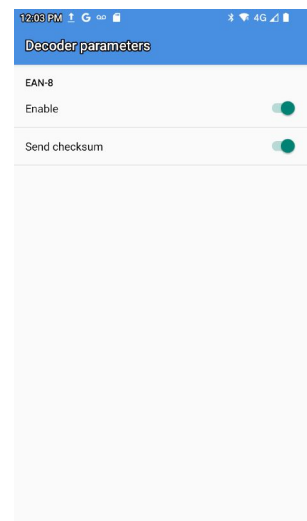
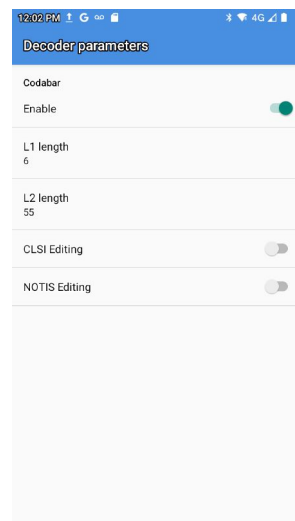
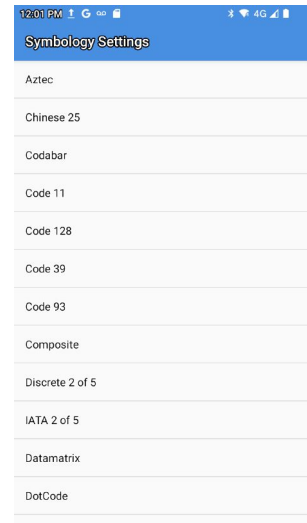
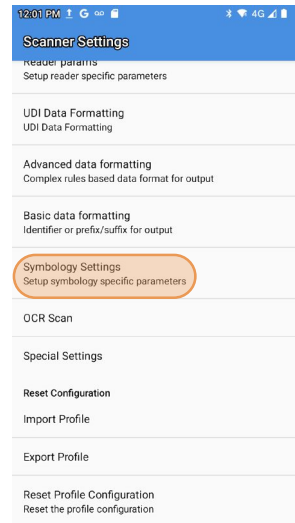
## Symbologies

The XT40's scanner can read and decode virtually any 1D or 2D bar code in milliseconds. Go to **Settings > Scan Settings > Symbologies** to view more than 40 code types that are not only supported, but can additionally be configured with their own options and extensions (see options below).

Only turn on the code(s) that you are actually using at the time. This will speed up recognition and decoding time.

Below is the list of all 1D and 2D code types supported by the XT40:

|                                    | 1D Linear | 2D Matrix |
|------------------------------------|-----------|-----------|
| AZTEC                              |           | X         |
| BOOKLAND EAN                       | X         |           |
| CHINESE 2 OF 5                     |           |           |
| Codabar                            | X         |           |
| CODE 11                            | X         |           |
| CODE 128                           | X         |           |
| CODE 39                            | X         |           |
| CODE 93                            | X         |           |
| COMPOSITE CC-A/B                   |           | X         |
| COMPOSITE CC-C                     |           | X         |
| COMPOSITE TLC-39                   | X         |           |
| DATA MATRIX                        |           | X         |
| DISCRETE 2 OF 5                    | X         |           |
| EAN 13                             | X         |           |
| EAN 8                              | X         |           |
| GS1 128                            | X         |           |
| GS1 DATABAR EXPANDED               | X         |           |
| GS1 DATABAR LIMITED                | X         |           |
| GS1 DATABAR                        | X         |           |
| HAN XIN                            |           | X         |
| INTERLEAVED 2 OF 5                 | X         |           |
| ISBT 128                           | X         |           |
| JAPAN POSTAL                       | X         |           |
| KOREAN 3 OF 5                      |           |           |
| MATRIX 2 OF 5                      | X         |           |
| MAXICODE                           |           | X         |
| MICRO QR                           |           | X         |
| MICRO PDF417                       |           | X         |
| MSI                                | X         |           |
| NETHERLANDS KIX CODE               | X         |           |
| PDF417                             |           | X         |
| QR CODE                            |           | X         |
| TRIOPTIC CODE 39                   | X         |           |
| UCC COUPON                         | X         |           |
| UK POSTAL                          | X         |           |
| UPC-A                              | X         |           |
| UPC-E                              | X         |           |
| UPC E1                             | X         |           |
| UPU FICS POSTAL                    | X         |           |
| US PLANET                          | X         |           |
| US POSTNET                         | X         |           |
| USPS 4CB/ONE CODE/INTELLIGENT MAIL | X         |           |

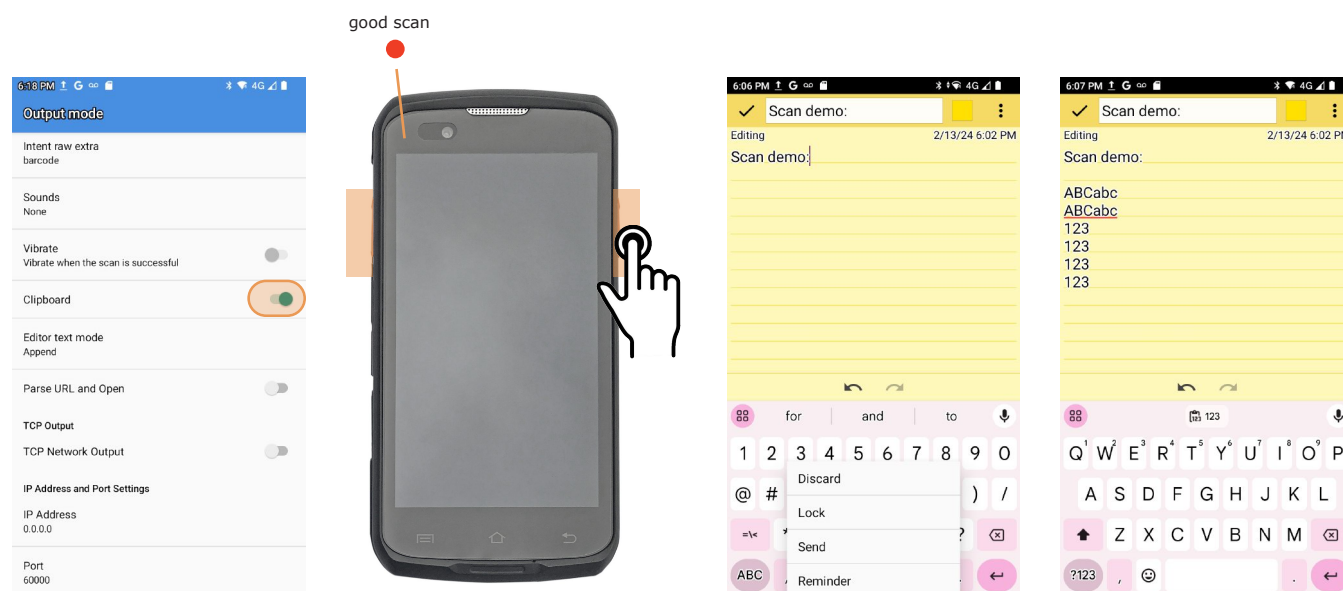


## Scan Demo App

Note that a special Scanner SDK (Software Development Kit) is available for the development of custom scanning applications (inquire with your Janam sales representative).

Below is a demo of scanning with the XT40. In the **Scanner Settings** app mark **Clipboard** on. Launch the **ColorNote** app on the XT40. Position the XT40 over one of the **sample barcodes** on this page. A range of 4–10 inches (10–25 cm) from the bar code is recommended. To scan, either push one of the XT40's two scanner buttons. Aim the barcode imager beam at the target barcode. The aiming dot should be centered in the barcode to achieve quickest and most accurate decoding. When the barcode is successfully decoded, the little **decode LED** in the upper lefthand corner flashes red and the terminal beeps.

Upon a successful scan, the scanner decoder will report the scan data to the ColorNote app (or any other app that accepts text input).



### N5703 Example Read Ranges (near to far)

|                   |                                     |
|-------------------|-------------------------------------|
| 5 mil Code 39     | 2.8 to 12.2 inches (7.0 to 31.1 cm) |
| 10 mil Code 39    | 1.6 to 21.2 inches (4.0 to 53.6 cm) |
| 5 mil Code 128    | 3.0 to 10.7 inches (7.5 to 27.2 cm) |
| 10 mil PDF417     | 1.8 to 16.7 inches (4.5 to 42.5 cm) |
| 10 mil DataMatrix | 2.5 to 11.7 inches (6.4 to 29.7 cm) |

Code 39



PDF 417



## Phone Calls

### Introduction

The Janam XT40, if equipped with an activated SIM card and cellular service, is a full-function smartphone in addition to a professional productivity tool.

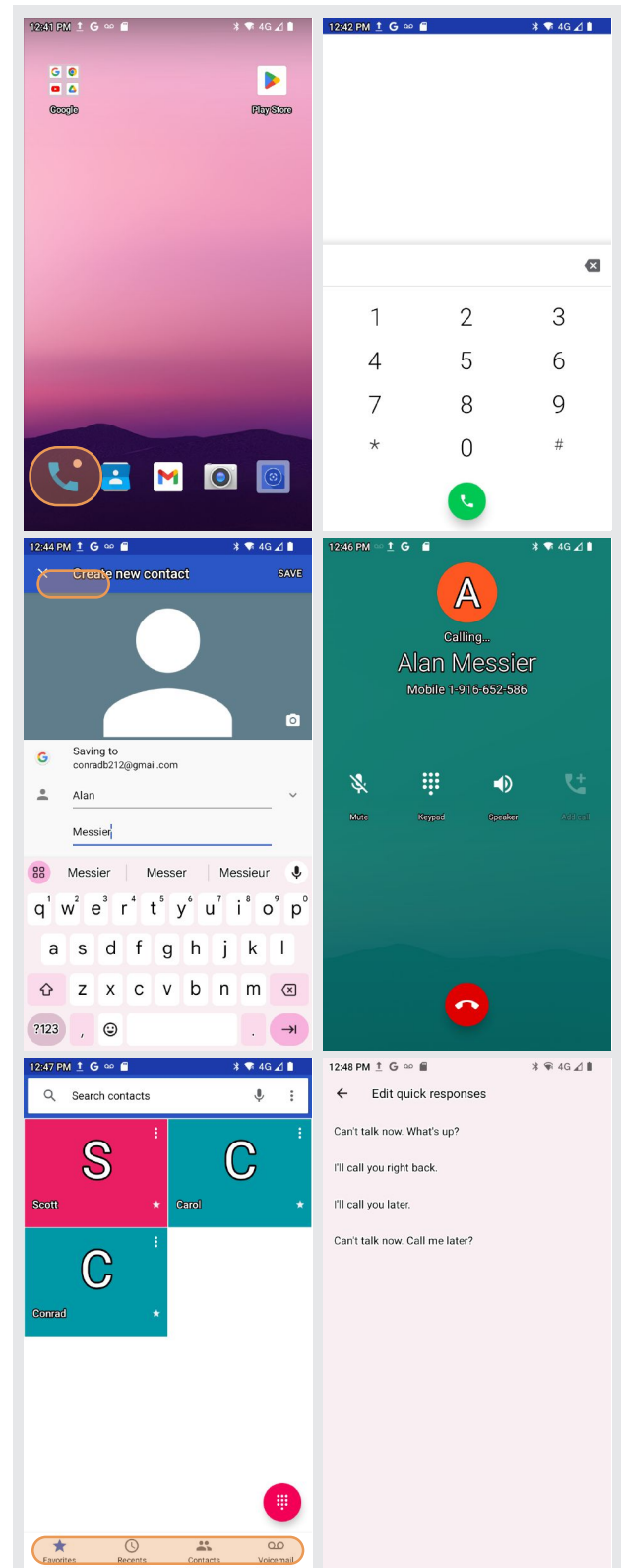
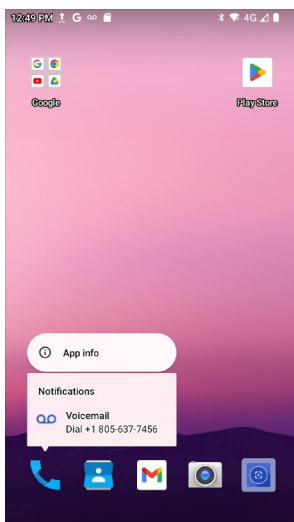
### Making a call

To make a call, tap the **phone receiver icon** on the bottom right of the display. The dialpad comes up to allow typing in a phone number.

To search your contacts, tap the area above the dialpad to bring up a search contacts box. Tapping a contact name will start the call. Tap icons to mute the call, bring up the keypad, put the call on speakerphone, or add a call.

If a call doesn't go through, no one picks up, or you terminate the call before it's picked up, you can send a message. Select from canned responses, or write a custom message.

Note that calls can also be made directly from the **home screen**. To do so, press and hold the **phone receiver icon**. A pop-up will list your favorites as well as allow direct access to voice-mail.



## Answering a Call

The XT40 shows either the number or (if known) the identity of the incoming call. You may answer the call (**answer**), reject it (**decline**), or respond with a quick text message by tapping the **caller icon** and swipe right on the message icon.

## Settings

Phone options can be accessed by tapping the three dot options icon on the upper right hand of the Phone apps main screen. There are general settings (sort order, sounds, vibrate, quick responses, etc.), calling account settings, as well as blocked numbers, voicemail settings and accessibility options.)

In Settings you can also edit your **quick responses**. You'll see a list of the canned quick responses. To change these, simply tap them, then enter a new quick response when prompted. Tap OK to save your changed quick response.

## Phone menu

Several of the phone-related screens will display the blue phone menu bar. It shows **Favorites** (star icon), **Recents** (clock icon), **Contacts** (people icon), and **Voicemail** (tape recording icon).



**Favorites** is where you add important and frequently used phone contacts.

**Recents** shows calls made, calls received, and voice mail. Tapping on an entry initiates a call. Tapping on the people icon opens up to more detail.

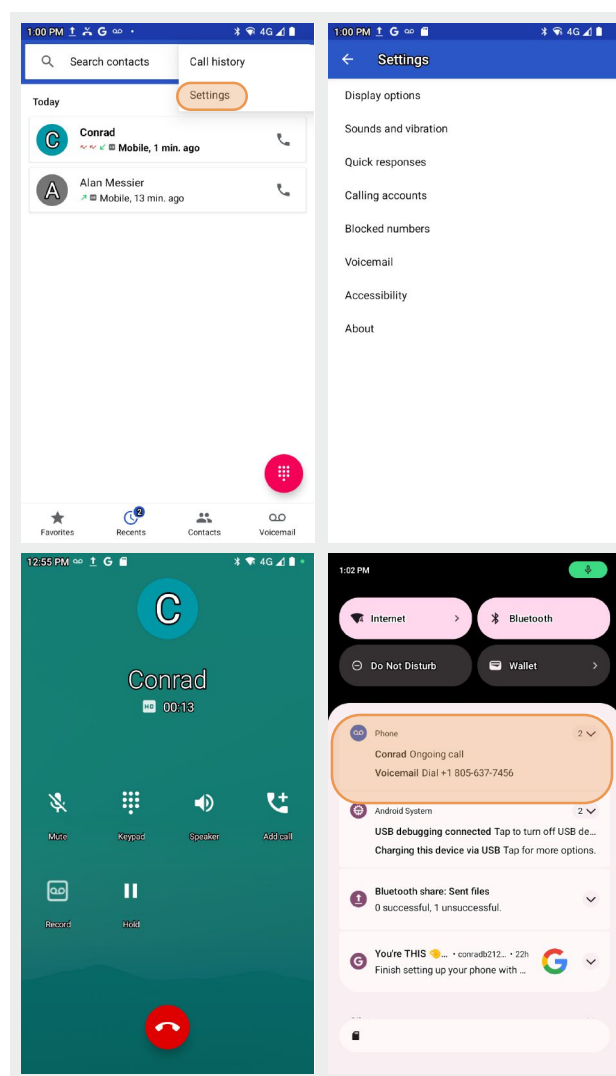
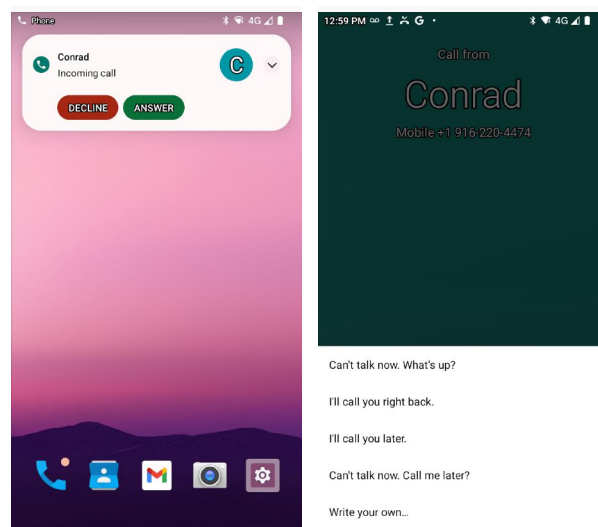
**Contacts** shows phone contacts. These can be created on the device. Tap options for the call history, settings, and help & feedback.

**Voicemail** shows a list of entries in your voicemail box. Note that you have to set up voice mail first (setup varies by carrier).

## Using Apps During a Call

Depending on your carrier, during a call you may be able to launch another app to look up information while the call is in progress.

To do this, simply launch the desired application. To return to the call, swipe down from the top of the display to reveal the action center. The call is listed there. Tap on it to return to the call

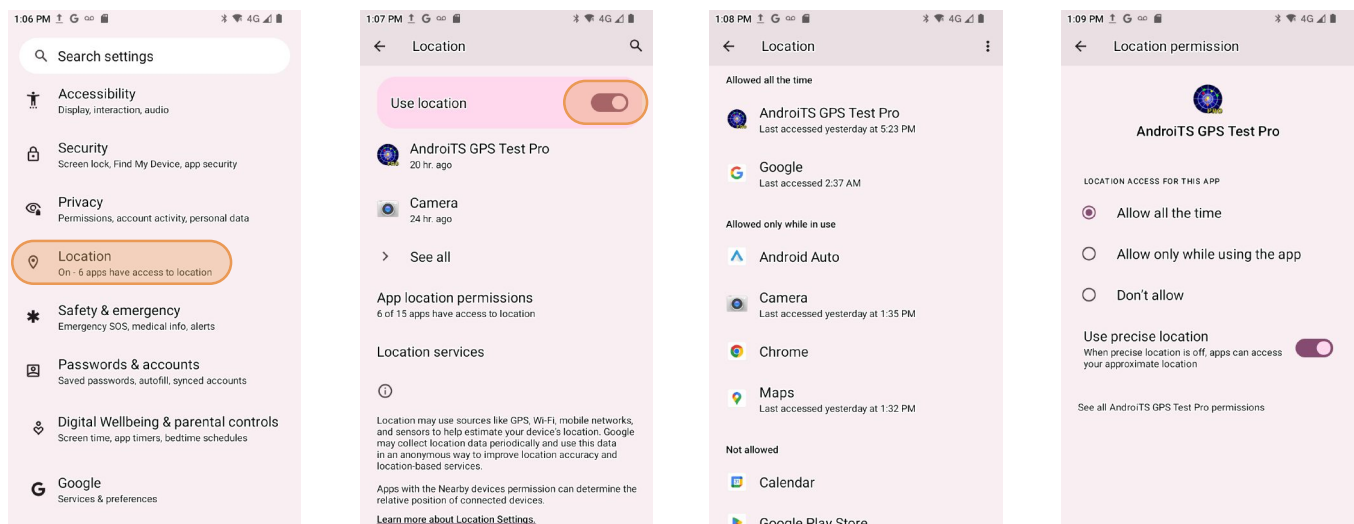


## GPS

### GPS and Location Services

Modern Android devices like the XT40 no longer simply turn GPS on or off. That's because most modern apps use location services as part of their basic functionality. What that means is that positioning has become an inherent part of most computing devices. Maps depend on it, of course, but also search engines, voice assistants, cameras, weather, etc., all rely on it, let alone safety and security systems such as "electronic fences" or "find your device" apps.

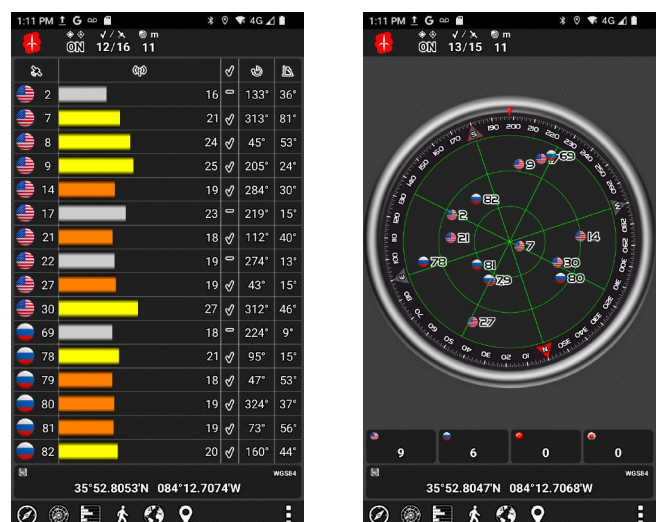
GPS and location services have become intertwined. Modern operating systems like Android increasingly regulate access via location and privacy settings, as well as by individual app. **Settings > Location** allows turning location on and off for each app. And from there you can select individual apps, examine what kinds of location permissions the app has, and make changes. The screen images below shows some examples of screens relating to location services.



### Location Service by App

The way GPS and location services are used may be different from app to app. Before installation, most apps will request permission to use certain services. This may include use of Google location services, Wi-Fi, GPS, device sensor functionality and more.

The example to the right shows the **AndroiTS GPS Test** app, preloaded on the XT40, and given full location access.



## Janam XT40 Specifications

|                                                                                 |                                                                                                          |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>TECHNICAL</b>                                                                |                                                                                                          |
| Operating System                                                                | Android 13 GMS or AOSP (upgradeable to 15)                                                               |
| Processor                                                                       | 2.4GHz octa-core Qualcomm Snapdragon™ SM6225 processor, Adreno 610 GPU                                   |
| Memory                                                                          | 4GB LPDDR4/64GB eMMC Flash                                                                               |
| Expansion                                                                       | User-accessible microSD card slot with SD, SDHC and SDXC support (up to 512GB)                           |
| Power                                                                           | 4500mAh rechargeable Li-ion battery                                                                      |
| <b>PHYSICAL</b>                                                                 |                                                                                                          |
| Dimensions                                                                      | 6.0" L x 3.0" W x .7" D / 152mm L x 76mm W x 18mm D                                                      |
| Weight                                                                          | 9.8oz / 280g including battery                                                                           |
| Display                                                                         | 5.0 inch High Definition (720x1280) WXGA LCD with Corning Gorilla Glass                                  |
| Touch Panel                                                                     | Capacitive multi-touch screen                                                                            |
| <b>ENVIRONMENTAL</b>                                                            |                                                                                                          |
| Operating Temperature                                                           | -4° to 140° F / -20° to 60° C                                                                            |
| Storage Temperature                                                             | -40° to 158° F / -40° to 70° C                                                                           |
| Humidity                                                                        | Non-condensing, 95%                                                                                      |
| Drop                                                                            | Multiple 5ft / 1.5m drops to concrete on all sides across a wide temperature range                       |
| Water & Dust                                                                    | IP65                                                                                                     |
| Electro Static Discharge (ESD)                                                  | +/- 15kV air; +/- 8kV contact                                                                            |
| <b>INTERFACE FEATURES</b>                                                       |                                                                                                          |
| Audio                                                                           | 3.5mm headset jack; speaker; microphone                                                                  |
| Alerts                                                                          | Vibration; LED indicators                                                                                |
| Connectors                                                                      | USB 2.0 with Type-C interface                                                                            |
| LED Indicators                                                                  | Two dual-color LED indicators                                                                            |
| External Buttons                                                                | Side scan triggers; Volume up/down; Power button; Function key                                           |
| <b>DATA CAPTURE</b>                                                             |                                                                                                          |
| Imager                                                                          | Honeywell N5703 1D/2D imager                                                                             |
| RFID/NFC                                                                        | Reads ISO14443 Type A; ISO14443 Type B; ISO15693; MIFARE; Sony FeliCa NFC on the 13.56 MHz range         |
| <b>WIRELESS COMMUNICATION</b>                                                   |                                                                                                          |
| WWAN                                                                            | EDGE/GPRS/GSM; WCDMA; LTE                                                                                |
| WLAN                                                                            | Dual-band 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w fast roaming                                                  |
| Security                                                                        | WEP (40 or 104 bit) / WPA/WPA2/WPA3; PEAP/MS-CHAPv2, EAP-TLS, OWE                                        |
| WPAN                                                                            | Bluetooth v5.1 + BR/EDR + BLE                                                                            |
| <b>MOBILE APPURTENANCES</b>                                                     |                                                                                                          |
| Sensors                                                                         | Accelerometer; Ambient light sensor; Proximity sensor                                                    |
| GNSS                                                                            | A-GPS with support for GPS, GLONASS, Galileo and Beidou                                                  |
| Camera                                                                          | 13.0MP color rear-facing autofocus camera with user-controllable LED flash and 5.0MP front-facing camera |
| <b>ACCESSORIES</b>                                                              |                                                                                                          |
| Single-Slot USB / Charging Cradle Kit, Charging Adapter, Powered Trigger Handle |                                                                                                          |
| <b>SAFETY/REGULATORY</b>                                                        |                                                                                                          |
| Safety                                                                          | IEC 60950-1; EMC; RF; SAR; LED; Laser                                                                    |
| Radio                                                                           | FCC; IC; CE                                                                                              |
| Environment                                                                     | RoHS and WEEE compliant                                                                                  |

## Regulatory and Maintenance

### ***XT40 Rugged Touch Computer Regulatory Information***

Copyright 2020 Janam Technologies, part of HID. All rights reserved.

XT40 Rugged Touch Computer, Janam and the Janam logo are trademarks of Janam Technologies, part of HID. Other product and brand names may be trademarks or registered trademarks of their respective owners.

Janam Technologies, part of HID assumes no responsibility for any damage or loss resulting from the use of this guide. Janam Technologies, part of HID assumes no responsibility for any loss or claims by third parties which may arise through the use of this product. Janam Technologies, part of HID assumes no responsibility for any damage or loss caused by deletion of data as a result of malfunction, dead battery or repairs.

Be sure to make backup copies of all important data on other media to protect against data loss.

Follow all usage, charging and maintenance guidelines in the Product User Guide. If you have questions, contact Janam. For a copy of the Product User Guide, visit the online Resource Center at [www.janam.com](http://www.janam.com).

Important: Please read the End User License Agreement with this product before using the device or accompanying software program(s). Using the device or any part of the software indicates that you accept the terms of the End User License Agreement. For additional product information, visit [www.janam.com](http://www.janam.com) or call +1.877.JANAM.99

**FCC/IC label access:** Users can access FCC/ID labels at **Settings > About phone > Certificates**.

### ***Regulatory and Safety Approvals***

 The CE Mark on the product indicates that the system has been tested to and conforms with the provisions noted within the 2004/108/EEC Electromagnetic Compatibility Directive. For further information, please contact:

**Janam Technologies**  
**100 Crossways Park West, Suite 105**  
**Woodbury, NY 11797**

Janam Technologies shall not be liable for use of our product with equipment (i.e., power supplies, personal computers, etc.) that is not CE marked and does not comply with the Low Voltage Directive.

Only use Janam approved and UL listed batteries and charging accessories.

### ***FCC and Canadian Compliance***

 This device meets or exceeds all applicable standards and has been manufactured to the highest level of quality. To see the specific labels associated with RF terminals configurations, visit [www.janam.com](http://www.janam.com).

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

**RF, regulatory and safety approvals****XT40 with WWAN, WLAN and Bluetooth**

| Parameter | Specification                                                                                                                                                                                                                                                                                                                                                                               |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USA       | 47 CFR FCC Part 15, Subpart B, Class B • FCC Part 22, Subpart H • FCC Part 24, Subpart E • FCC Part 27, Subpart C, L • FCC Part 2 • FCC Part 15, Subpart C • FCC Part 15, Subpart E • FCC 06-96 • FCC 47 CFR Part 2                                                                                                                                                                         |
| Canada    | ICES-003:2012 Issue5, Class B; RSS-132, Issue 3, January 2013 • RSS-Gen Issue 3 December 2010 • RSS-133, Issue 6, January 2013 • RSS-139, Issue 2, April 2009 • RSS 210 Issue 8 (2010-12) • ANSI C63.10- 2009 • IC RSS-102 Issue 4:2010 • IEEE1528:2013 • IEC 62209-2:2010 • KDB 248227 D01 v01r02 • KDB 447498 D01 v05r02 • KDB941225 D01 v02 • KDB941225 D02 v02r02 • KDB941225 D07v01r01 |
| Europe    | EN 301 489-1 • EN 301 489-3 • EN 301 489-7 • EN 301 489-17 • EN 301 489-24 • EN 300328 • EN 301 893 • EN 300 440 • EN 301 908-1 • EN 301 908-2 • EN 301 511 • EN 302 291-1 • EN302291-2 • EN 50566 • EN 62209- 2 • EN 62479 • EN 50332 • EN 55022 • EN 55024 • EN61000-3-2 • EN 61000-3-3 • IEC 60950-1/A1:2009                                                                             |
| Australia | AS/NZS CISPR 22:2008, Class B • AS/NZS CISPR 22:2009 +A1:2010, Class B • AS/NZS 4268:2012 +A1:2013 • ARPANSA Radiation Protection Standard (Maximum Exposure Levels to Radiofrequency Fields -3 KHz to 300 GHz • ACA Radio communications(Electromagnetic Radiation – Human Exposure) Standard 2003 • IEC 62209-2:2010                                                                      |

**XT40 with WLAN and Bluetooth**

| Parameter | Specification                                                                                                                                                                                                                                                                  |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USA       | 47 CFR FCC Part 15, Subpart B, Class B • FCC Part 15, Subpart C • FCC Part 15, Subpart E • FCC 47 CFR Part 2                                                                                                                                                                   |
| Canada    | ICES-003:2012 Issue5, Class B; RSS-210 Issue 8 (2010-12) • RSS-Gen Issue 3 (2010-12) • ANSI C63.10-2009 • IC RSS-102 Issue 4:2010 • IEEE1528:2013 • IEC 62209-2:2010 • KDB 248227 D01 v01r02 • KDB 447498 D01 v05r02 • KDB941225 D07v01r01                                     |
| Europe    | EN 301 489-1 • EN 301 489-3 • EN 301 489-17 • EN 300 328; EN 301 893 • EN 300 440 • EN 302 291-1 • EN 302 291-2 • EN 50566 • EN 62209- 2 • EN 62479 • EN 50332 • EN55022 • EN55024 • EN 61000-3-2; EN 61000- 3-3 • IEC 60950-1/A1:2009                                         |
| Australia | AS/NZS CISPR 22:2008, Class B • AS/NZS 4268:2012 +A1:2013 • ARPANSA Radiation Protection Standard (Maximum Exposure Levels to Radiofrequency Fields -3 KHz to 300 GHz) • ACA Radio communications(Electromagnetic Radiation – Human Exposure) Standard 2003 • IEC 62209-2:2010 |

**Compliance with Part 15 of FCC Rules**

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.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet helpful: "Something about Interference." This is available at FCC local regional offices. Our company is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of connective cables and equipment other than those specified by our company. The correction is the responsibility of the user. Use only shielded data cables with this system.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. To maintain compliance with the FCC RF exposure guidelines for body-worn operation, do not use accessories that contain metallic components other than specified by the manufacturer.

**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.

**Care and Cleaning of Terminals**

When needed, clean the screen with a clean, non-abrasive, lint-free cloth. The terminal can be cleaned with a damp cloth.

**Waste Electrical and Electronic Equipment Information**

This product has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment, if not properly disposed.



In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems for product disposal. Those systems will reuse or recycle most of the materials of the product in a sound way.

The crossed-out wheeled bin symbol informs you that the product should not be disposed of along with municipal waste and indicates that you should use the appropriate separate take-back systems for product disposal.

If you need more information on the collection, reuse and recycling systems, please contact your local region waste administration. You may also contact your supplier for more information on the environmental performances of this product.

## Battery Warning

### CAUTION:

**Unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture or dispose of in fire or water.**

## Battery Safety Guidelines

Important instructions for service personnel only:

- Reorient or relocate the receiving antenna.
- Caution: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- Replace only with the same or equivalent type recommended by the manufacturer.
- The battery must be recycled or disposed of properly.
- Use the battery only in the specified equipment.

## Battery Charger Safety Guidelines

- Use only the charger supplied with your device. Use of another type of charger will result in malfunction and/or danger.
- WARNING! To avoid the risk of electric shock, this device must only be connected to supply mains with protective earth.
- Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.
- Allow adequate ventilation around the charger when using it to operate the device or charge the battery. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.
- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the charger if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.
- To fully disengage the power to the unit, please disconnect the power cord from the AC inlet.

## Troubleshooting

Before contacting the service center, please review the instructions below:

- ☐ Please fully charge the battery for optimal operation.
- ☐ Avoid storing large amounts of data in your device as this may affect its performance.
- ☐ Use Factory data reset and the upgrade tool to perform device formatting or software upgrading (to reset factory data, go to "Settings"/"Backup and reset". ALL User device data: contacts, photos, messages, files, and downloaded applications will be permanently lost. It is strongly advised to fully backup the device data and profiles before doing formatting or upgrading.

### **My device cannot be turned on or is frozen**

- ☐ When the device cannot be turned on, charge for at least 20 minutes to ensure the minimum battery power needed, then try to turn it on again.

### **My device has not responded for several minutes**

- ☐ Restart your device by pressing and holding the Power key for more than 7 seconds.

### **My device turns off by itself**

- ☐ Check that your screen is locked when you are not using your device.
- ☐ Check the battery charge level.

### **My device doesn't charge properly**

- ☐ Make sure you are using a Janam Technologies approved charger.
- ☐ Make sure that your battery is not completely discharged; if the battery is completely discharged, it may take around 20 minutes to display the battery charger indicator on the screen.
- ☐ Make sure charging is carried out under normal conditions (32°F to +104°F).
- ☐ When abroad, check that the voltage input is compatible.

### **My device cannot connect to a network or "No service" is displayed**

- ☐ Try connecting in another location.
- ☐ Verify the network coverage with your operator.
- ☐ Check with your operator that your SIM card is valid.
- ☐ Try selecting the available network(s) manually.
- ☐ Try connecting at a later time if the network is overloaded.

### **My device cannot connect to the Internet**

- ☐ Check that the IMEI number (press \*#06#) is the same as the one printed on your warranty card or box.
- ☐ Make sure that the internet access service of your SIM card is available.
- ☐ Check your device's Internet connecting settings.
- ☐ Make sure you are in a place with network coverage.

- ☐ Try connecting at a later time or another location.

#### **Invalid SIM card**

- ☐ Make sure the SIM card has been correctly inserted (see "Inserting or removing the SIM card").
- ☐ Make sure the chip on your SIM card is not damaged or scratched.
- ☐ Make sure the service of your SIM card is available.

#### **Unable to make outgoing calls**

- ☐ Make sure you have dialed a valid number.
- ☐ For international calls, check the country and area codes.
- ☐ Make sure your device is connected to a network, and the network is not overloaded or unavailable.
- ☐ Check your subscription status with your operator (credit, SIM card valid, etc.).
- ☐ Make sure you have not barred outgoing calls.
- ☐ Make sure that your device is not in flight mode.

#### **Unable to receive incoming calls**

- ☐ Make sure your device is switched on and connected to a network (check for overloaded or unavailable network).
- ☐ Check your subscription status with your operator (credit, SIM card valid, etc.).
- ☐ Make sure you have not forwarded incoming calls.
- ☐ Make sure that you have not barred certain calls.
- ☐ Make sure that your device is not in flight mode.

#### **The caller's name/number does not appear when a call is received**

- ☐ Check that you have subscribed to this service with your operator.
- ☐ Your caller has concealed his/her name or number.

#### **I cannot find my contacts**

- ☐ Make sure your SIM card is not broken.
- ☐ Make sure your SIM card is inserted properly.
- ☐ Import all contacts stored in SIM card to device.

#### **The sound quality of the call is poor**

- ☐ You can adjust the volume during a call by pressing the Volume Up/Down key.
- ☐ Check the network strength.
- ☐ Make sure that the receiver, connector or speaker on your device is clean.

#### **I am unable to use the features described in the manual**

- ☐ Check with your operator to make sure that your subscription includes this service.

#### **When I select a number from my contacts, the number cannot be dialed**

- ☐ Make sure that you have correctly recorded the number in your file.
- ☐ Make sure that you have selected the country prefix when calling a foreign country.

#### **I am unable to add a contact in my contacts**

- ☐ Make sure that your SIM card contacts are not full; delete some files or save the files in

the phone contacts (i.e. your professional or personal directories).

**My callers are unable to leave messages on my voicemail**

- ☐ Contact your network operator to check service availability.

**I cannot access my voicemail**

- ☐ Make sure your operator's voicemail number is correctly entered in "Voicemail number".
- ☐ Try later if the network is busy.

**I am unable to send and receive MMS**

- ☐ Check your device memory availability as it might be full.
- ☐ Contact your network operator to check service availability and check MMS parameters.
- ☐ Verify the server center number or your MMS profile with your operator.
- ☐ The server center may be busy, try again later.

**SIM card PIN locked**

- ☐ Contact your network operator to obtain the PUK code (Personal Unblocking Key).

**I am unable to connect my device to my computer**

- ☐ Make sure that you're using the cable included in the box.

**I am unable to download new files**

- ☐ Make sure there is sufficient device memory for your download.
- ☐ Select the microSD card as the location to store downloaded files.
- ☐ Check your subscription status with your operator.

**The device cannot be detected by others via Bluetooth**

- ☐ Make sure that Bluetooth is turned on and your device is visible to other users.
- ☐ Make sure that the two devices are within Bluetooth's detection range.

**How to make your battery last longer**

- ☐ Make sure you follow the complete charge time (minimum 3 hours).
- ☐ After a partial charge, the battery level indicator may not be exact. Wait for at least 20 minutes after removing the charger to obtain an exact indication.
- ☐ Adjust the brightness of screen as appropriate.
- ☐ Extend the email auto-check interval for as long as possible.
- ☐ Update news and weather information on manual demand, or increase their auto-check interval.
- ☐ Exit background-running applications if they are not being used for a long time.
- ☐ Deactivate Bluetooth, WLAN, or GPS when not in use.

**The device sometimes gets hot**

- ☐ This heating is a normal consequence of the CPU handling excessive data. Ending above actions will make your device return to normal temperatures.