JANAM

HT1 User Manual



Technology at Work®

Version 1
September 2020

© 2020 Janam Technologies LLC. All rights reserved.

Copyright 2020 Janam Technologies LLC. All rights reserved.

Janam and the Janam logo are trademarks of Janam Technologies LLC. ARM and Cortex are registered trademarks of ARM Limited (or its subsidiaries) in the EU and/or elsewhere. Android is a trademark of Google Inc. Other product and brand names may be trademarks or registered trademarks of their respective owners.

Janam Technologies LLC assumes no responsibility for any damage or loss resulting from the use of this guide.

Janam Technologies LLC assumes no responsibility for any loss or claims by third parties which may arise through the use of this product.

Janam Technologies LLC assumes no responsibility for any damage or loss caused by deletion of data as a result of malfunction, dead battery or repairs. To protect against data loss, be sure to make backup copies (on other media) of all important data.

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.

Contents

1 Introduction **CH-PG**

Introduction 1-1
Key Features 1-1
Hardware Overview 1-2

2 Getting Started **CH-PG**

Unpacking the HT1 2-1
Recommended Host PC Requirements 2-1
HT1 SDK 2-1
Battery Safety 2-2
Installing the Battery 2-2
Charging the HT1 Battery 2-3
HT1 Battery Condition Information 2-4
Turning the HT1 On 2-5
Turning the HT1 Off 2-6
Touch Screen Navigation 2-6
Screen Rotation 2-7
Lock Screen 2-7
Home Screen 2-8 to 2-10
Android soft buttons — old and new 2-11
App Screen 2-12
Function Keys 2-12

3 Janam HT1 Setup **CH-PG**

microSD Card Storage 3-1
SIM Cards and USB Port 3-2
Backup and Restore: Auto Backup 3-3
Resetting to Factory Condition 3-4
Android Security 3-5
Lock Screen Types 3-6
Additional Screen Security Settings 3-7
Privacy Settings 3-8
Device Settings: Display 3-9
Device Settings: Sound 3-9
Device Settings: Storage 3-10
Device Settings: Apps 3-10
Personal Settings: Accounts 3-11
Personal Settings: Google Account 3-11
Personal Settings: Language & Input 3-12
System Settings: Date & Time 3-13
System Settings: Accessibility 3-13

4 Wireless Network Connection **CH-PG**

Introduction 4-1
Connecting to a WLAN network 4-2
Wi-Fi Preferences 4-3
Mobile Network 4-3
Tethering 4-3

5 Bluetooth **CH-PG**

Introduction 5-1
Bluetooth Concepts 5-2
Making Bluetooth Discoverable 5-2
Bluetooth Pairing 5-3
Bluetooth Services 5-3

6 Camera **CH-PG**

Introduction 6-1
Camera Controls Overview 6-2
Still Camera Settings 6-3
Video Camera Settings 6-4
Camera Zoom 6-5
Editing Pictures 6-6

7 Email CH-PG

Introduction 7-1
Setting up Email 7-1
Manual Email Setup 7-2
During Email Setup 7-2
General and Account Settings 7-2
General Email Settings 7-3
Account-specific Email Settings 7-4
Email Inbox 7-5
Creating and Sending an Email 7-5
Deleting an Email Account 7-5

8 Tools CH-PG

GPS Test, NXP TagInfo, PingIP 8-1
QuickSupport, ScanDemo, MobiControl 8-1
Program Buttons 8-2

9 Phone Functionality CH-PG

Introduction 9-1
Phone Screen 9-1
Answering a Call 9-2
During Call Features 9-2
Settings 9-2
Using Apps During a Call 9-2

10 GPS CH-PG

GPS and Location Services 10-1
Location Service by App 10-1

11 User Applications CH-PG

Google Play Store 11-1
Play Store My Apps & Games Listing 11-1
Google Play Store Settings 11-2
Settings: General 11-2
Settings: User Controls 11-2
Uninstalling Apps 11-2
Access and User Restrictions 11-2

12 FOTA Update CH-PG

Update via FOTA Client 12-1

13 Specifications CH-PG

Janam HT1 Specifications 13-1

14 Regulatory and Maintenance CH-PG

HT1 Regulatory Information 14-1
Regulatory and Safety Approvals 14-1
HT1 w/ WWAN, WLAN and Bluetooth 14-2
HT1 w/ WLAN and Bluetooth 14-2
Compliance with FCC Rules 14-3
Battery Safety Guidelines 14-5
Battery Charger Guidelines 14-5

15 Troubleshooting CH-PG

Troubleshooting the Janam HT1 15-1

1

Introduction

HT1 Rugged Tablet

Key Features

- Ergonomically designed for one-handed use
- Android 9 with Google Mobile Services (GMS)
- Bright 8-inch touch screen optimized for indoor/outdoor applications
- Military-grade certified ruggedness
- IP67 sealing
- Blazing-fast Snapdragon octa-core processor
- Superior 1D/2D barcode scanning (optional)
- NFC reading capabilities
- Wi-Fi, Bluetooth, 4G LTE
- 8200mAh hot-swappable battery
- Standard 2-year warranty

Hardware Overview



1. Light sensor
2. LED indicator light
3. Front camera
4. External GPS antenna pass-through
5. Rear camera and flash
6. Expansion module screw holes
7. Expansion module connector
8. NFC
9. Battery compartment cover
10. Battery locks
11. Speaker
12. Battery cover lock
13. Battery cover lock
14. Programmable volume up/down
15. Programmable F1
16. Android key: Open apps
17. Android key: Home
18. Android key: Back
19. Programmable F2
20. Power button
21. Microphone
22. Audio jack
23. USB Type-C port
24. Expansion port

2

Getting Started

Unpacking the Janam HT1 Rugged Enterprise Tablet

Make sure you have the following:

- Janam HT1 Rugged Enterprise Tablet
- 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 7/8/10 (32-bit or 64-bit), or
- Mac OS X 10.10 (Yosemite) or higher, or
- Linux GNOME or KDE desktop or higher, or
- Chrome OS
- If installing Android™ Studio, 2 GB of available disk space minimum, 4 GB recommended (500 MB for IDE plus 1.5 GB for Android SDK and emulator system image).
- 1280 x 800 minimum screen resolution.

Janam HT1 SDK

The Janam HT1 Software Development Kit enables programmers to develop applications for Janam HT1 rugged tablets running the Android™ operating system. It contains details and instructions for developing applications that access the HT1 embedded scanner.

The development kit, which can be downloaded from Janam's Product Zone (login required), is designed for use with the publicly available Android SDK.

Charging the Janam HT1 Rugged Tablet

BATTERY SAFETY GUIDELINES

The HT1 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 HT1 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 HT1 battery

To install or replace the HT1 battery, you must first remove the battery compartment cover on the back of the unit. To do this start with sliding the two cover lock sliders to the left and right of the cover, as well as the two sliders at the bottom of the cover into the open position. The open position is marked with an open padlock icon.





Once all four retaining sliders are in the open position, use a plastic opening tool, a fingernail, or a small coin to carefully pry open and then remove the battery compartment cover. If you use a coin or metallic tool such as a flat blade screwdriver, make sure not to scratch the housing or damage the compartment seal.

Make sure the battery locking slider is in the open position (indicated by an open padlock icon). Insert the battery, with the Janam logo and battery information facing you, into the compartment. Once it is firmly seated, glide the battery lock slider into the locked position.



Before putting the battery compartment cover back in place, check for the presence and condition of the white seal along the inside perimeter of the cover. If the blue seal is damaged or missing, replace it. Do not operate the HT1 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, insert its upper part first. Then, starting with the upper part, gently close the cover until all of the cover clips have snapped into place. Slide all four cover locks into their locked position.

Charging the HT1 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 USB Type-C cable into the USB Type-C port at the bottom of the HT1.
3. Plug in the AC/DC power supply. The HT1 LED indicator will light blue 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.

HT1 Battery Condition and Usage Information

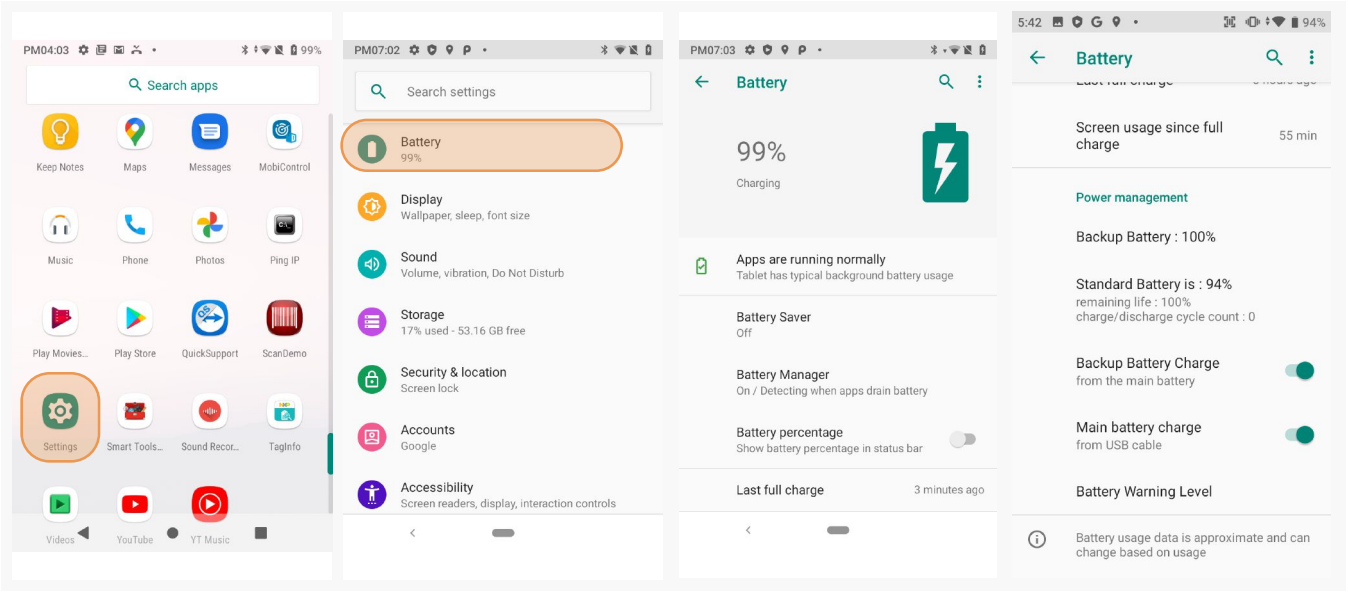
Android provides information on battery charge level in percent, estimated amount of battery charge remaining and how much of the battery capacity has been used by various applications and device functions. This information can be accessed as follows:

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**.

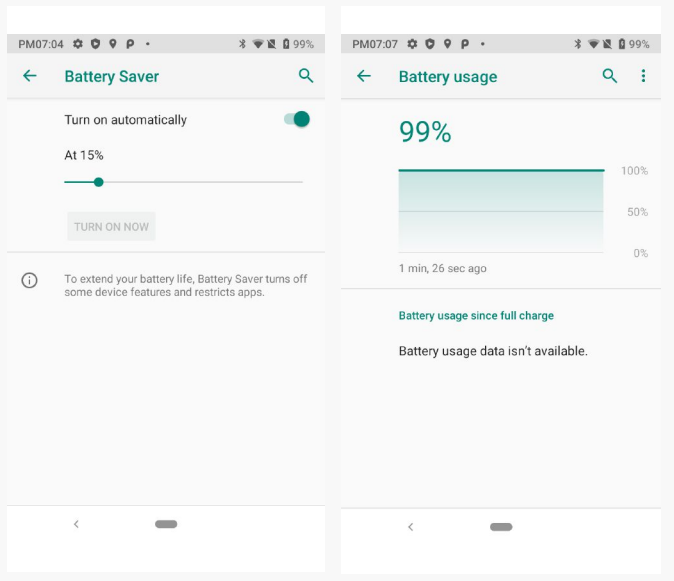
View battery status and level, and estimated battery life remaining.

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



Tip — You can conserve battery life by:

1. Using the AC adapter to plug the HT1 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 HT1 Rugged Tablet on



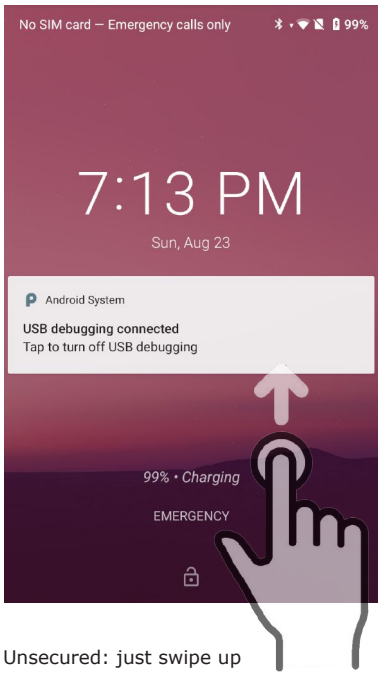
1. Press and hold the **Power Key** (marked red in its center) on the top right-hand side of the HT1.

   - If the HT1 is being powered on for the first time, follow the on-screen setup instructions.

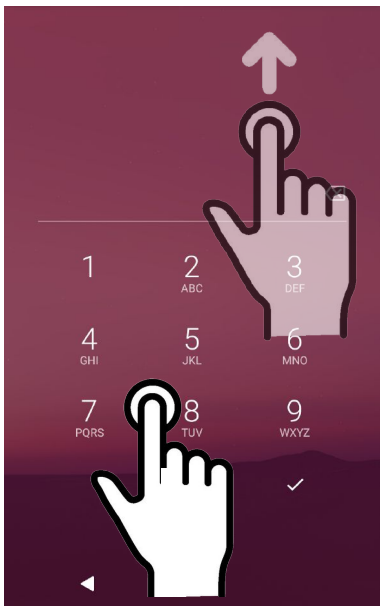
   - When the HT1 is on, pressing the power button briefly will suspend operation until it is pushed again.

2. When powered on, an **unsecured** HT1 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 HT1 with a password or pin code, refer to Chapter 3.

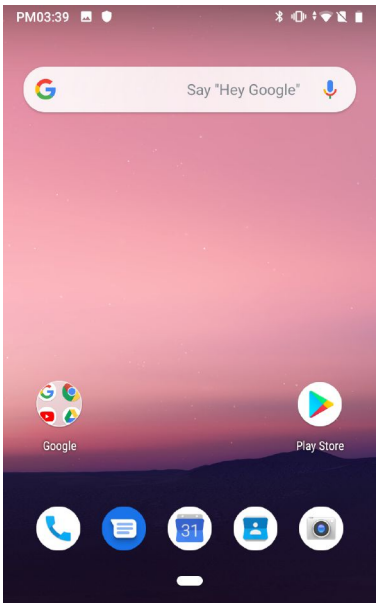
3. When powered on, a **secured** HT1 will also first display the Android lock screen. Swipe up to get to the **pin code keypad**. Enter your pin code. Once the correct pin code has been entered and you've tapped on the check mark, the **welcome screen** with the **pin code keypad** will be replaced with the **start screen**. For information about securing the HT1 with a password or pin code, refer to Chapter 3.



Unsecured: just swipe up



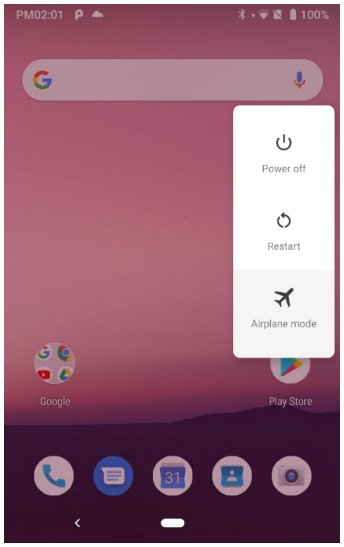
Secured: enter pin, then swipe up



Both ways get to the start screen

Turning the Janam HT1 Rugged Tablet off

Note that there are different levels of turning off power to the HT1.



1. To put the HT1 display to sleep, briefly press the **Power Button** (marked red in its center). The display will turn off. To turn the HT1 back on from this state of 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 HT1 display to sleep and also shut down Android, press and hold the **Power Button** (marked red in its center) until the "Power off/Reboot/Airplane Mode" overlay appears. Tap on Power off and the HT1 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 HT1 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 HT1 will reboot automatically.

Touch Screen Navigation

The Janam HT1 uses capacitive multi-touch technology. Almost all of the HT1'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.



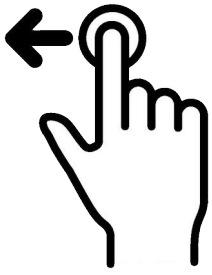
Touch

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

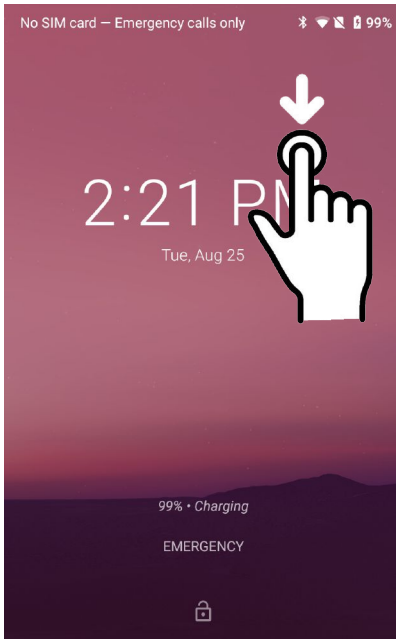
Put two fingers on the display, then drag them together or apart to zoom in or out.

Screen Rotation

The HT1 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 HT1'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**.

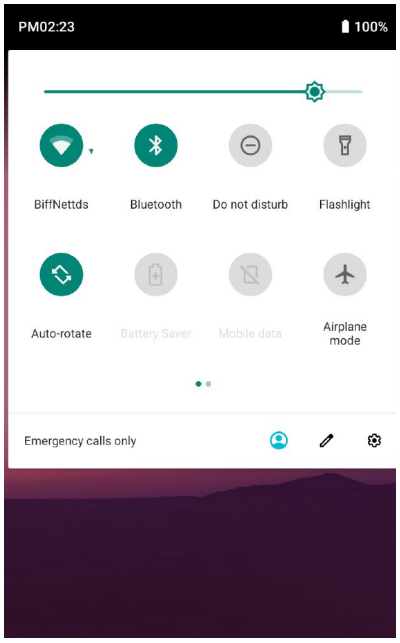
Lock Screen

When turned on, the HT1 first displays the Android **lock screen.** The lock screen shows the current time and date. If the HT1 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, Wi-Fi on/off, brightness settings, flashlight on/off, etc.



	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 HT1's most frequently used features and applications. The home screen can consist of multiple screens (on the HT1 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, on top of the **Google Assistant** button. The status bar displays various information icons. Swipe down to expand it and show more detail. The favorites tray can have up to five (changeable) favorites. Tap and hold the Google Assistance button that allows you to ask voice questions.

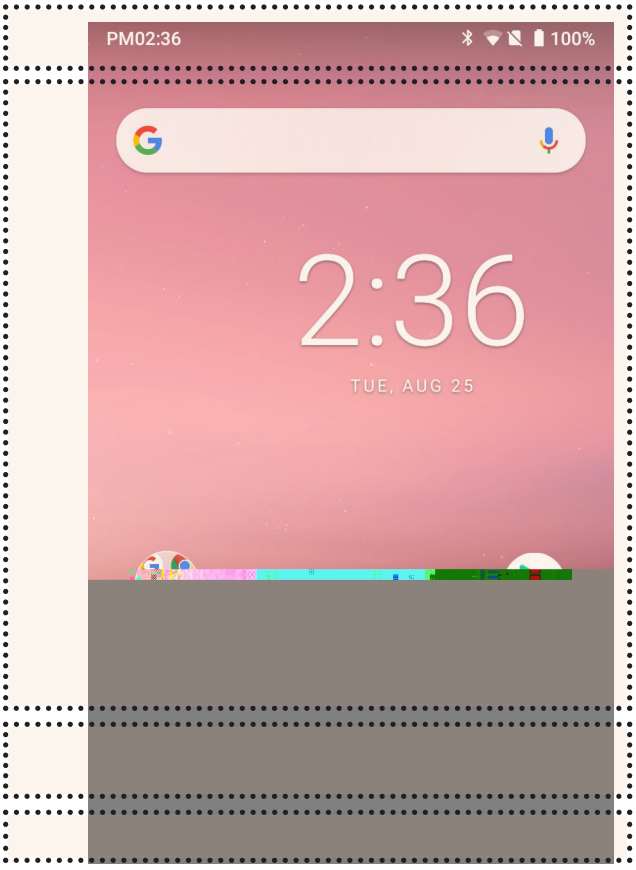
Between the status bar and the favorites tray are apps icons (which can also be **folders** containing multiple apps) and **widgets**. Tapping on apps icons launches the app. Touch and hold to rearrange icons. Widgets perform functions, like showing the time, weather, news, or act as shortcuts.

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.

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

Google Assistant: tap and hold to bring up the Google Assistant where you can ask voice question.

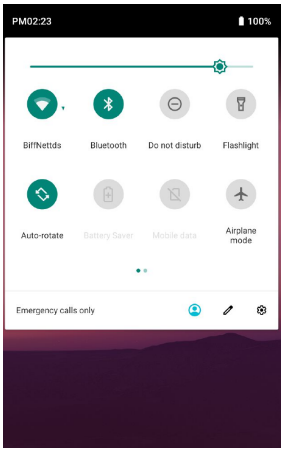


Home Screen (continued)

The **home screen** of the HT1 provides easy access to other functions by swiping up, down and right.

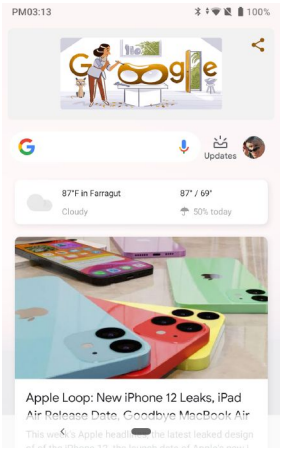
Swipe down:

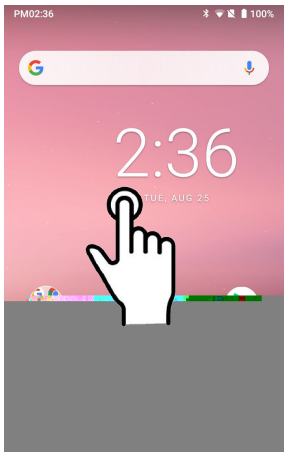
Brings up the Quick Settings panel with notifications

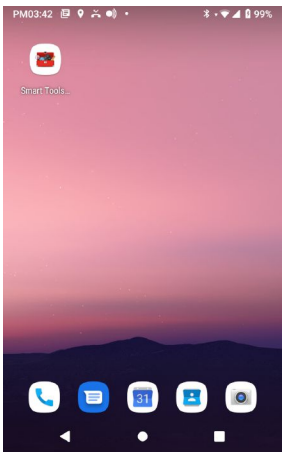


Swipe right:

Brings up the Google News feed.





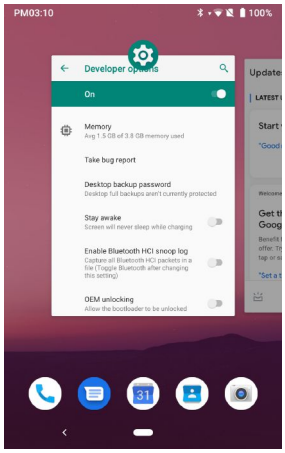


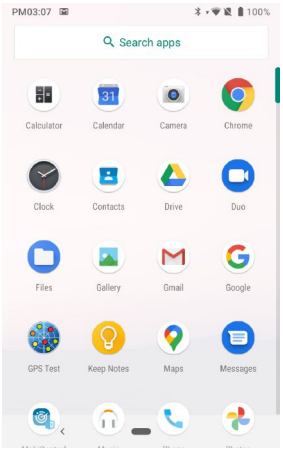
Swipe left:

If added, brings up additional home screens.

Swipe up (1):

First brings up all running apps.





Swipe up (2):

Then 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".

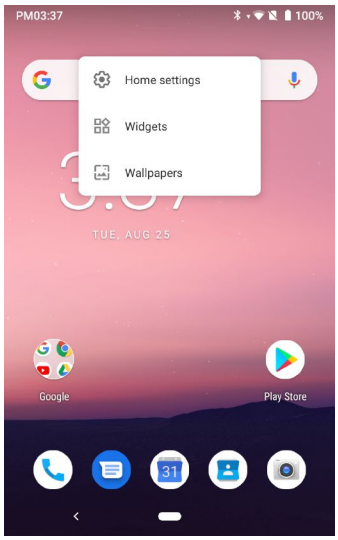
Home settings:

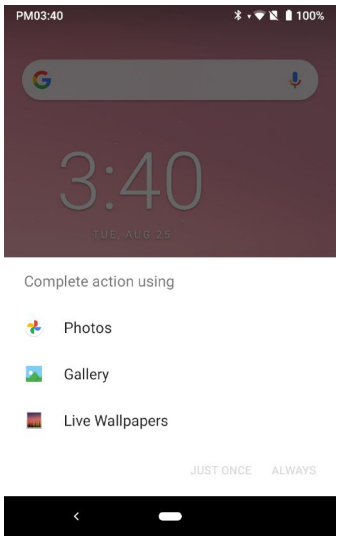
Show Google App — By default, when you swipe from left to right on the Home screen, the Google News Feed shows up. It can be disabled here.

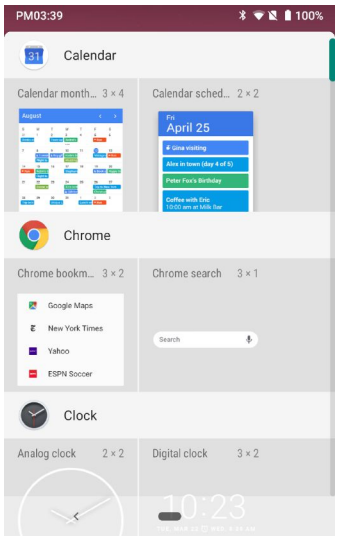
Add icon to Home screen: allow/disallow adding app icons to the Home screen.

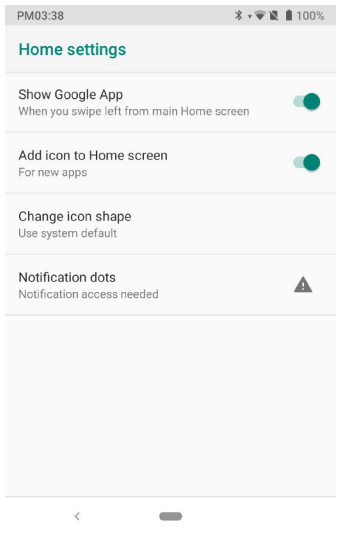
Change icon shape: Icons can be set to be circles, squares, squircles or teardrops. This applies to the apps screen as well.

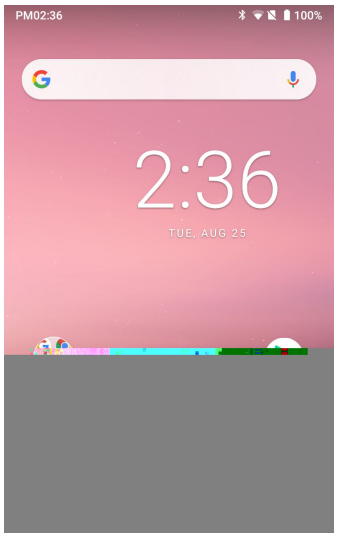
Notification dots: Toggles on/off small dots on top of app icons that alert to unread notification. Long-tap a dot to get a preview in a speech bubble.

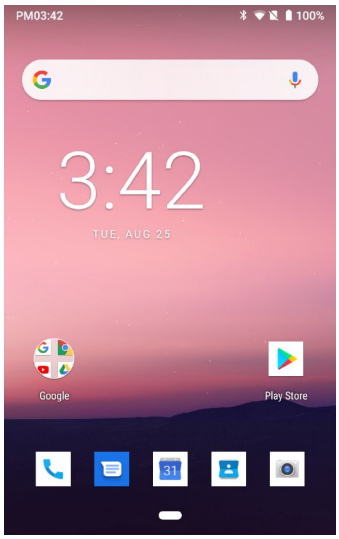


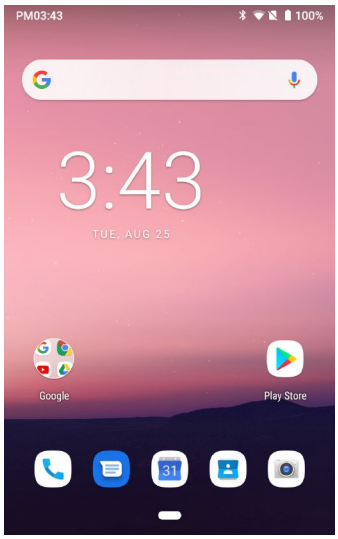


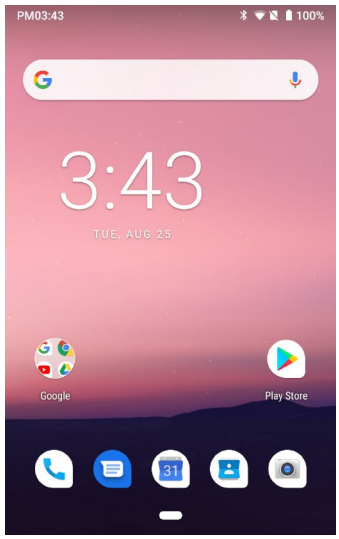








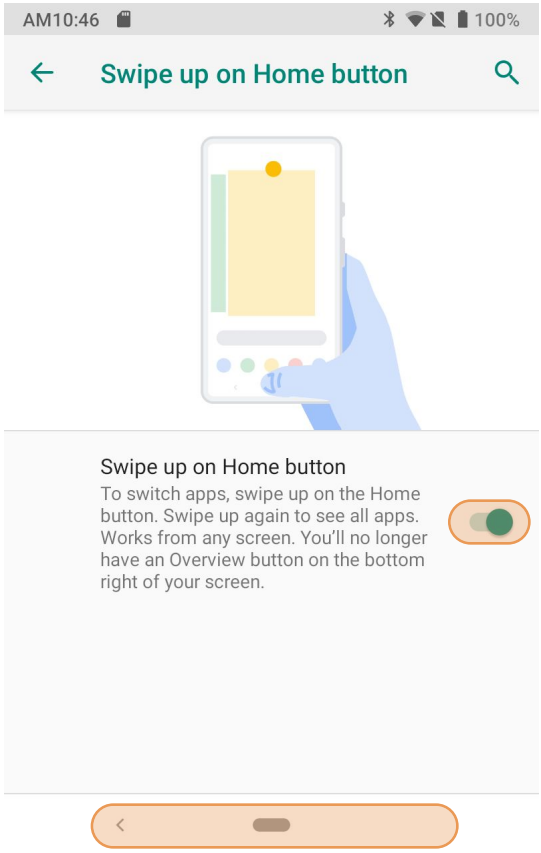


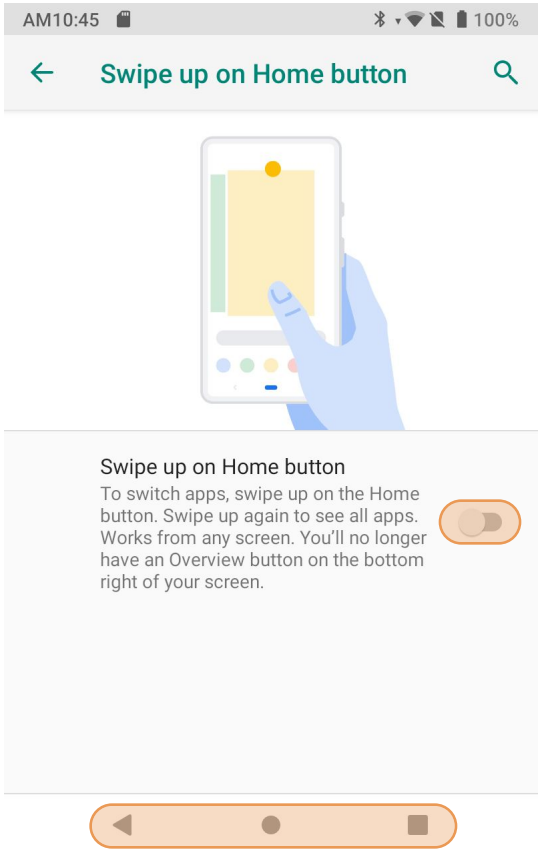


Android soft buttons — old and new

If you have used Android devices before, you are accustomed to the three "Android" soft buttons that represent "back" (triangle), "home" (circle, and "open apps" (square"). Google has replaced those with just an oval in the center and a small arrow point left. In this new "Swipe up on Home button" concept, to see and switch between open apps you swipe up on the Home button, and swipe up again to see all apps.

If you prefer the old way with the three Android buttons, got to **System** > **Gestures** > **Set up home button** where you can toggle between the traditional and the new way the software buttons are implemented.

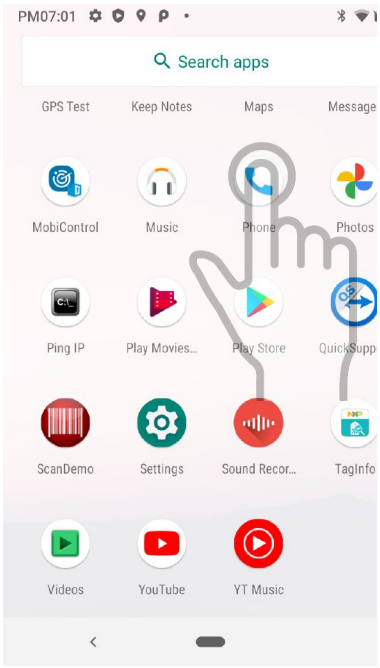




App Screen

While the Android **home screen** serves as the HT1'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 HT1'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.



Function Keys

The Janam HT1, in addition to volume up/down and the power button, has five physical function keys with white labels located along the bottom of the display. Depressing these keys, from left to right, brings up 1) a **programmable function**, 2) **recent apps**, 3) the **start screen**, 4) executes a **back/esc** (to get back to the prior screen, close a dialogue box, etc.), and 5) a second **programmable function**. A long push on the **start screen** button brings up the **Google Assistant**.



3

HT1 Setup

Removable Memory

IMPORTANT NOTE!
To avoid possible damage to microSD or micro-SIM cards or the HT1 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 HT1 rugged tablet 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 2TB (exFAT32 card formatting). Older SD and SDHC 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 sliding the four cover locks in the open position, and then gently pulling the cover up by the two tabs on the left and right of the cover. Then remove the HT1 battery.



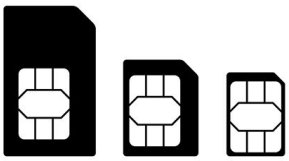
To install the microSD card:
Locate the microSD card slot in the battery compartment (labeled and highlighted orange). Place a compatible microSD card with its brand and capacity markings facing you and its smaller edge going into the card slot. Fully insert the microSD card. DO NOT attempt to insert the microSD card in any other orientation. Put the battery back into its compartment and put the battery compartment cover back on.

To remove the microSD card:
Before removing a microSD card, Go to **Settings** > **Storage** > **Portable storage**. Tap the eject symbol and the card will be unmounted. Then remove the battery compartment cover, remove the battery, and gently 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 HT1 models equipped with optional WWAN (Wireless Wide Area Network) cellular signal functionality include a removable SIM card slot. Neither cellular signal connectivity for internet access nor optional 3rd party voice telephone applications can function without an activated SIM card installed. The HT1 SIM card slot is designed for use with a **micro SIM card**. 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 HT1. Contact Janam or your local wireless carrier for more information about SIM cards and wireless service.

To access the micro-SIM card slot:

Remove the battery compartment cover on the back of the unit by sliding the four cover locks in the open position, and then gently pulling the cover up by the two tabs on the left and right of the cover. Then remove the HT1 battery

To install a SIM card:

Locate the micro-SIM card slot in the battery compartment (labeled and highlighted orange). Orientate a compatible micro-SIM card (or nano SIM card in a standard SIM adapter) with its straight edge facing into the 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 carefully put the battery compartment cover back on.



USB Port

The Janam HT1 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.

Backup, Restore and Reset

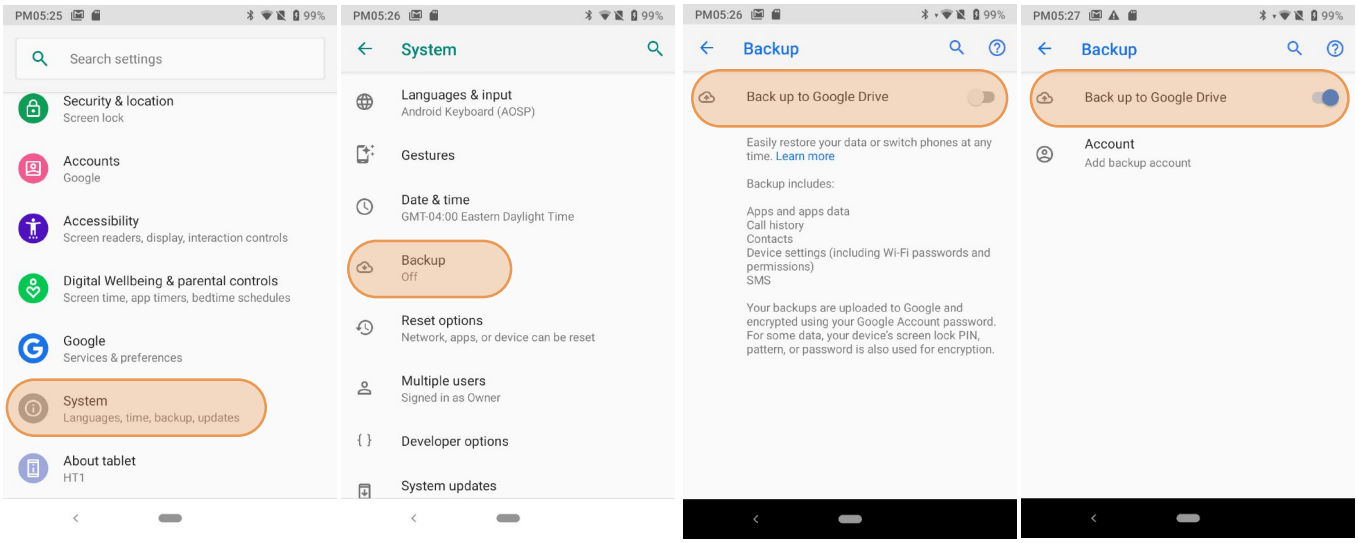
Android backup concept

Android does not offer a traditional full backup (i.e. one large file from which all software, settings and data can be restored). Instead, Android synchronizes settings and data with Google Drive, including WLAN passwords, bookmarks, contact and email information, a list of installed applications, application data, words added to dictionaries, app data and most of the device settings.

All of this can be restored in case of a failure, or when moving onto a new device. The idea here is to provide continuity rather than a total 1:1 full backup.

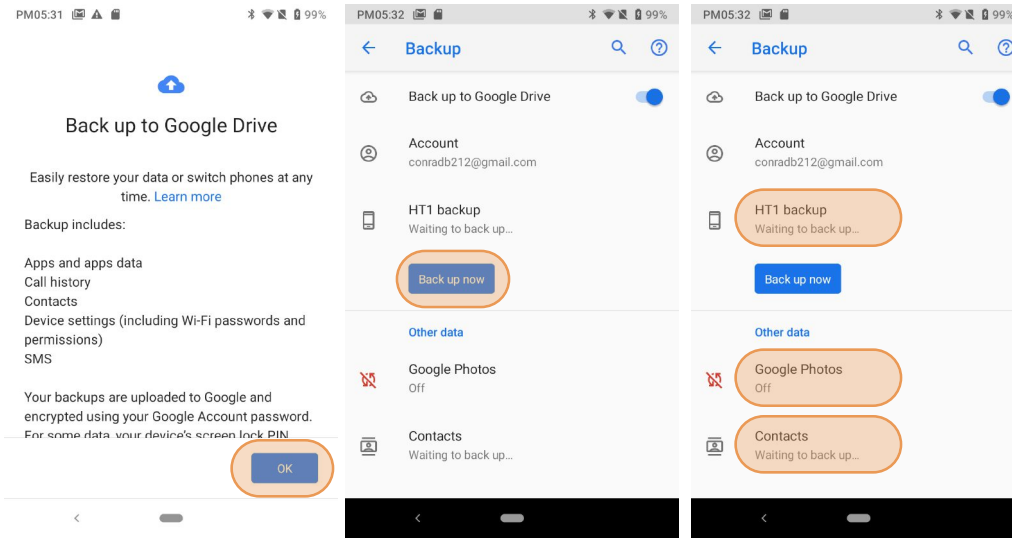
Auto Backup for Apps

Android 9 allows you to back up various settings and data to your Google Drive account in the cloud. Enable the process in **Settings** > **System** > **Backup** > **Backup to Google Drive**. Toggle that on. If you haven't OK-ed backup yet, do it now. Then tap on **Back up now**.



With the above settings in place, all of the selected data, settings and configurations will automatically be backed up to Google. You can also opt to backup at any time, either all supported applications or just a subset.

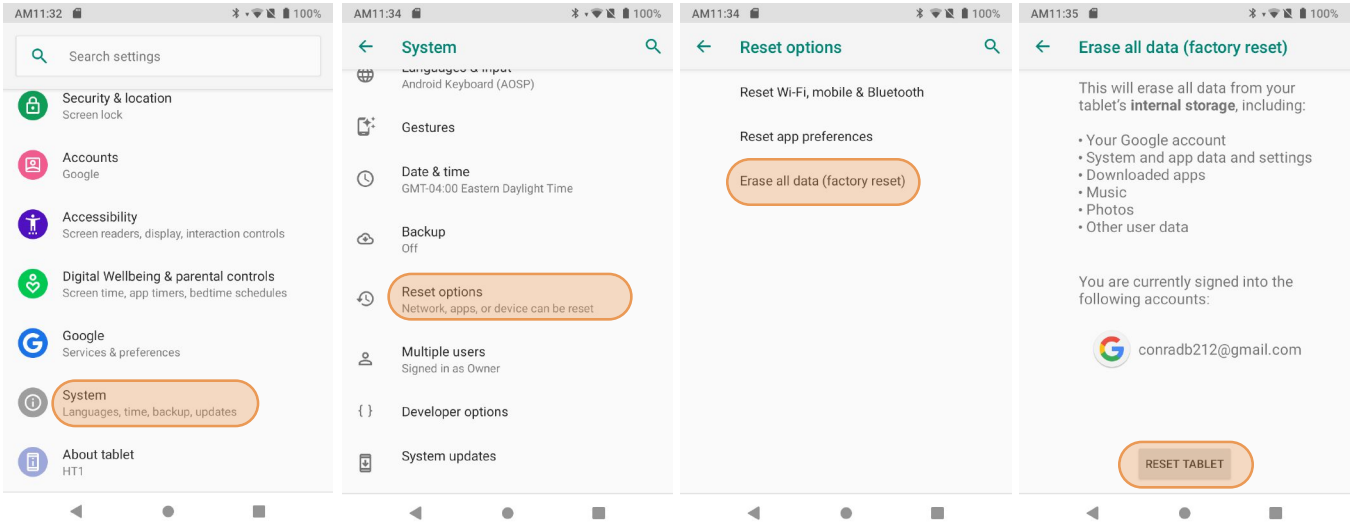
To restore everything, log into your Google account and all data and settings will be restored.

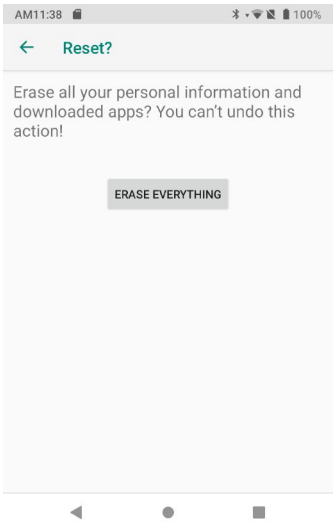


Resetting the HT1 to factory condition

Resetting the HT1 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.





If you are unable to power on your device, you can perform a factory data reset by pressing the Power key and the Volume up key at the same time until the screen lights up.

Security

Android Security

The Android 9 operating system inherently provides a high degree of security. Here is an overview of available security and privacy settings:

Manage security settings

- ☐ **Settings** > **Security & location**

Check security status

- ☐ In **Google Play Store**, tap **Menu** > **Play Protect**
- ☐ Find My Device: Settings > Security & location > Find My Device
- ☐ Security update: Settings > Security & location > Security update

Device security

- ☐ Screen lock: **Settings** > **Security & location** > **Screen lock**
- ☐ Lock screen preferences: **Settings** > **Security & location** > **Lock screen preferences**
- ☐ Emergency information: **Settings** > **Apps & notifications** > **Emergency alerts**
- ☐ Smart lock: **Security & location** > **Smart Lock**

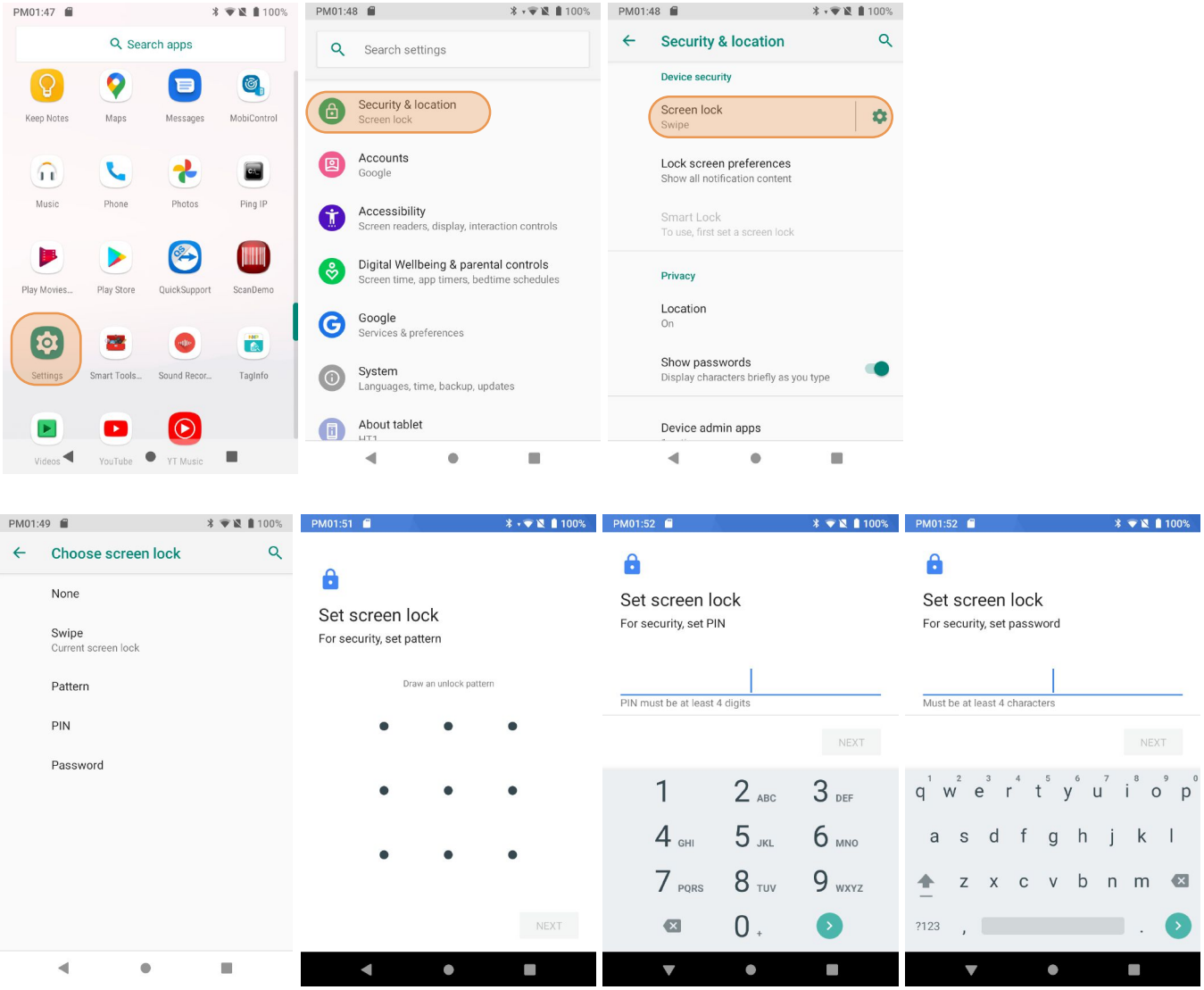
Privacy:

- ☐ **Settings** > **Security & location** > **Location** (many options)
- ☐ **Settings** > **Security & location** > **Show passwords** (makes it easier to use complex passwords)
- ☐ **Settings** > **Security & location** > **Device admin apps** (shows apps that can administer the HT1)
- ☐ **Settings** > **Security & location** > **Screen pinning** (locks device into one app)
- ☐ **Apps & 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 & location** > **Screen lock**.



Upon setting a screen lock, you may opt to show all notification content when your device is locked, hide sensitive content, or don't show notifications at all.

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 & location** > **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.

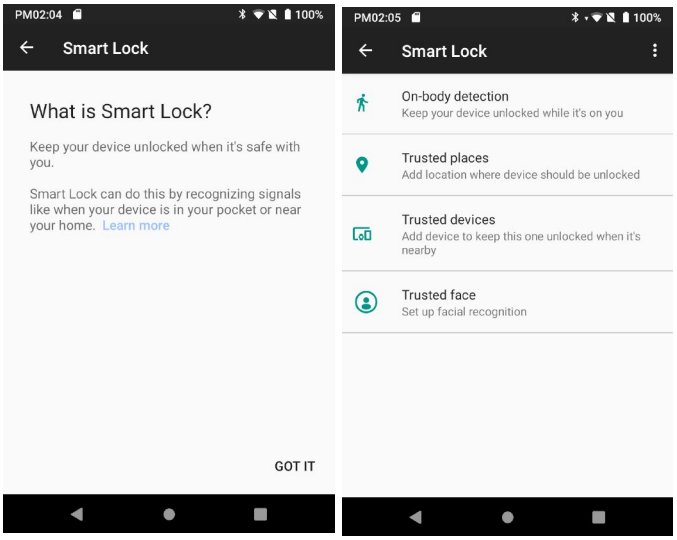
Additional Device Security Settings

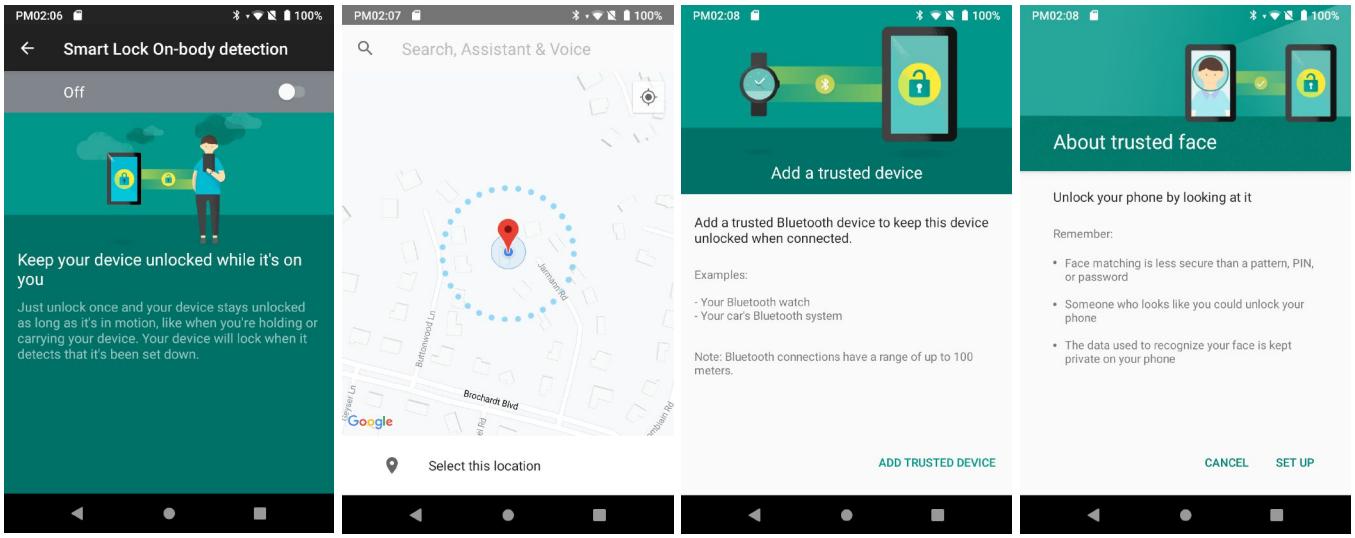
Users can tailor screen lock security according to their preferences (or company policy) at **Settings** > **Security & location** > **Screen lock** > ⚙. Among the available options are:

- ☐ **Automatically lock** (can be set from immediately to 30 minutes)
- ☐ **Power button instantly locks** (screen instantly locks when power button is pushed)
- ☐ **Lock screen message** (for instant identification of a device)

In addition, there are the **Security & location** > **Lock screen preferences** (sets allowable lock screen functions) and **Security & location** > **Smart Lock** feature. The latter changes locking depending on circumstances. This can make using the HT1 both more convenient *and* more secure.

- ☐ **Smart Lock** > **On-body detection**
  Keeps the HT1 stays unlocked as long as it is on you.
- ☐ **Smart Lock** > **Trusted places**
  Device stays unlocked within defined areas (home, office, etc.)
- ☐ **Smart Lock** > **Trusted devices**
  Device stays unlocked when close to, for example, a Bluetooth watch, or a Bluetooth-equipped vehicle.
- ☐ **Smart Lock** > **Trusted face**
  Uses face recognition to unlock, with other method as a backup.

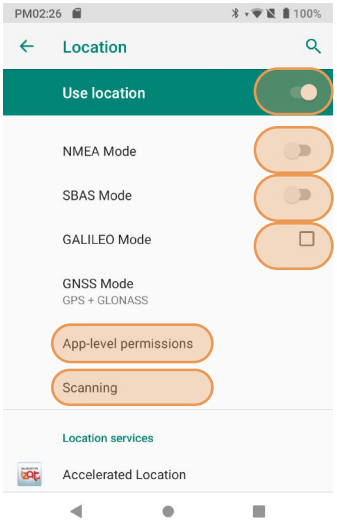




Privacy Settings

Location

When connected via Wi-Fi, Bluetooth or mobile broadband and "location" is turned on for your HT1, you can get information based on its location. Examples are commute predictions, nearby stores and restaurants, and local search results. Use **Settings** > **Security & location** > **Location** to turn the location feature on or off, or set location preferences.

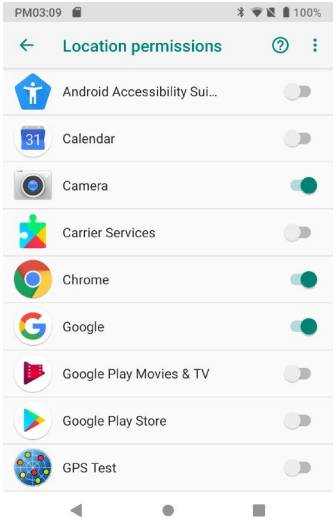


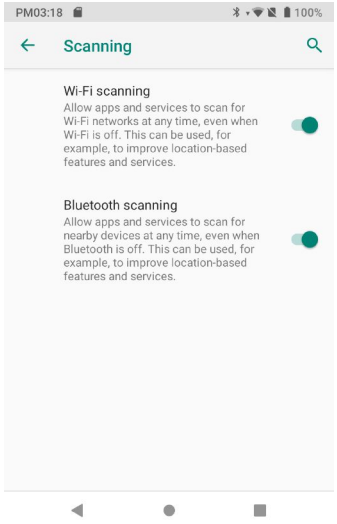
When you turn location off, apps and services will not be able to get your HT1's location, but you could still get local results and ads based on your IP address.

If you turn off Google location, you may get a warning that "basic features of the device may no longer function as intended."

NMEA (National Marine Electronics Association) mode is primarily for marine applications. SBAS (Satellite-Based Augmentation System) can improve positioning accuracy and reliability. These should be turned on only for specific apps that can take advantage of them.

GALILEO is the European satellite system (GPS is the United States system). Turn GALILEO mode on to track more satellites in difficult terrain.



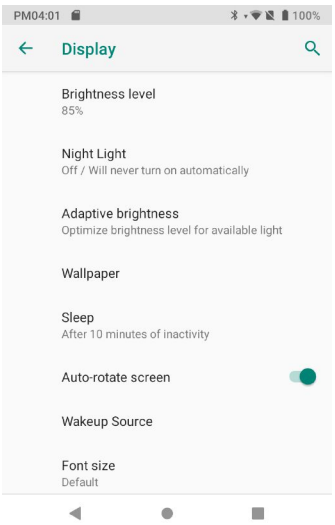


Not all apps need or benefit from location services. **App-level permissions allows** you to turn location on or off. That can save power.

Scanning turns on Wi-Fi and Bluetooth scanning by individual apps even when Wi-Fi and Bluetooth are turned off. This can improve certain app-specific location-based features and services.

You can fine-tune location services by allowing or disallowing a variety of Google and other location services. With **Emergency Location Service** on, when you make an emergency call/text, the HT1 will send you location automatically to emergency responders. **Google Location Accuracy** on improves accuracy by using all available means to determine exact location (off uses only GPS). **Google Location History** on records any move. **Google Location Sharing** allows sharing your location with other individuals using the service, like friends and family.

Device Settings



The HT1 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.

Wallpaper allows the user to select a screen background.

The **Sleep** screen allows screen timeout and device suspension be set between 15 seconds and never.

Auto-rotate screen sets automatic screen rotation on or off.

The **Wakeup Source** screen sets what can and cannot wake the device up (like buttons, cables, headsets, scan triggers, etc.).

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

Display size sets icons and speech boxes to **Small**, **Default**, **Large**.

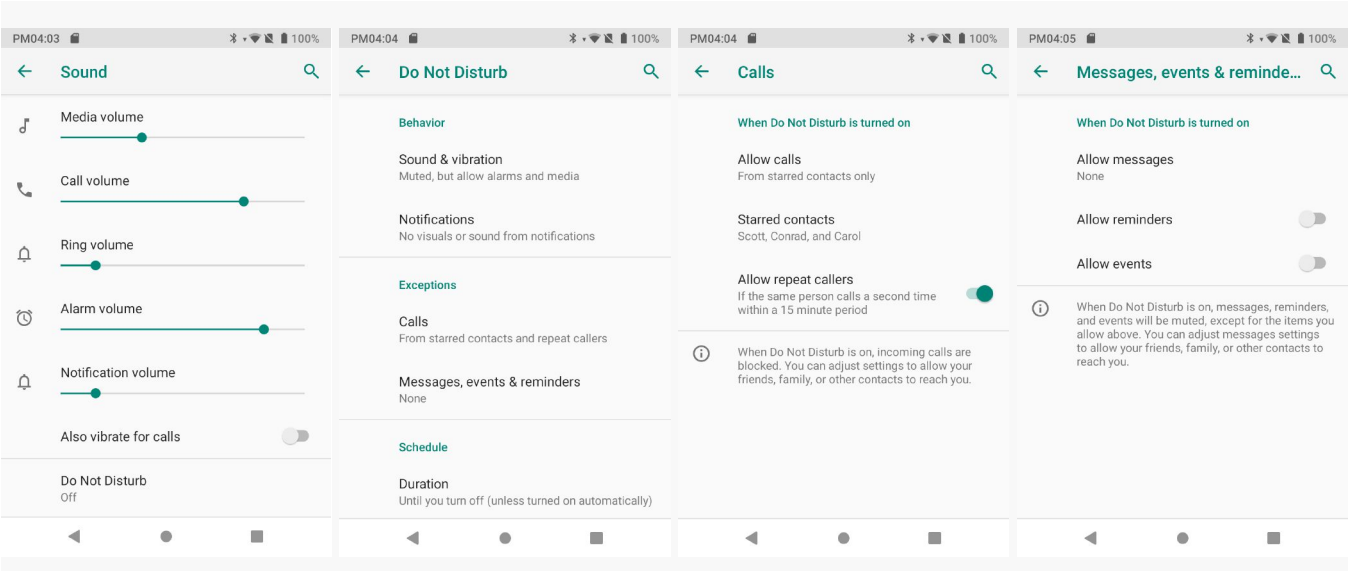
Screen saver sets the type of screen saver (clock, colors, photos), the style and the timing.

Ambient display makes the HT1 wake up and display notifications.

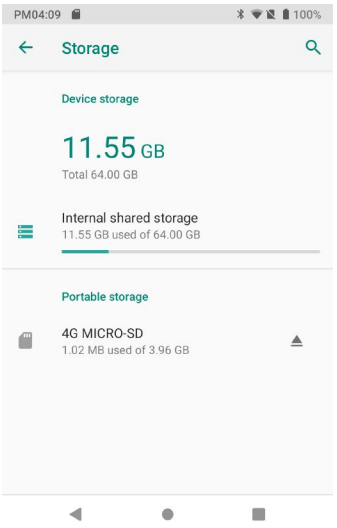
Device theme sets light or dark mode, or auto based on wallpaper.

Sound

Allows setting of **volume of media, calls, rings, alarms** and the **vibrate intensity**. Calls can be set to vibrate or not. You can set various **Do Not disturb** options, rules and restrictions for both calls and messages.



Device Settings (continued)



Storage

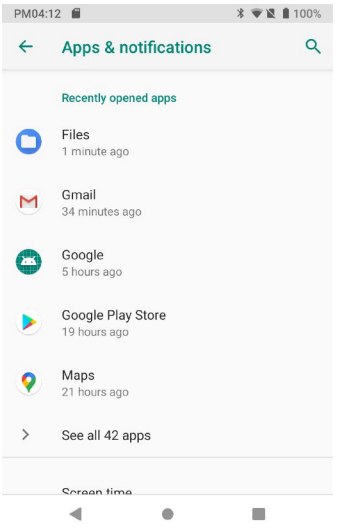
Touch **Storage** from the **Settings** screen to view use and space statistics for the internal storage on the device and the installed SD card. The SD card screen lets you eject or format a card.

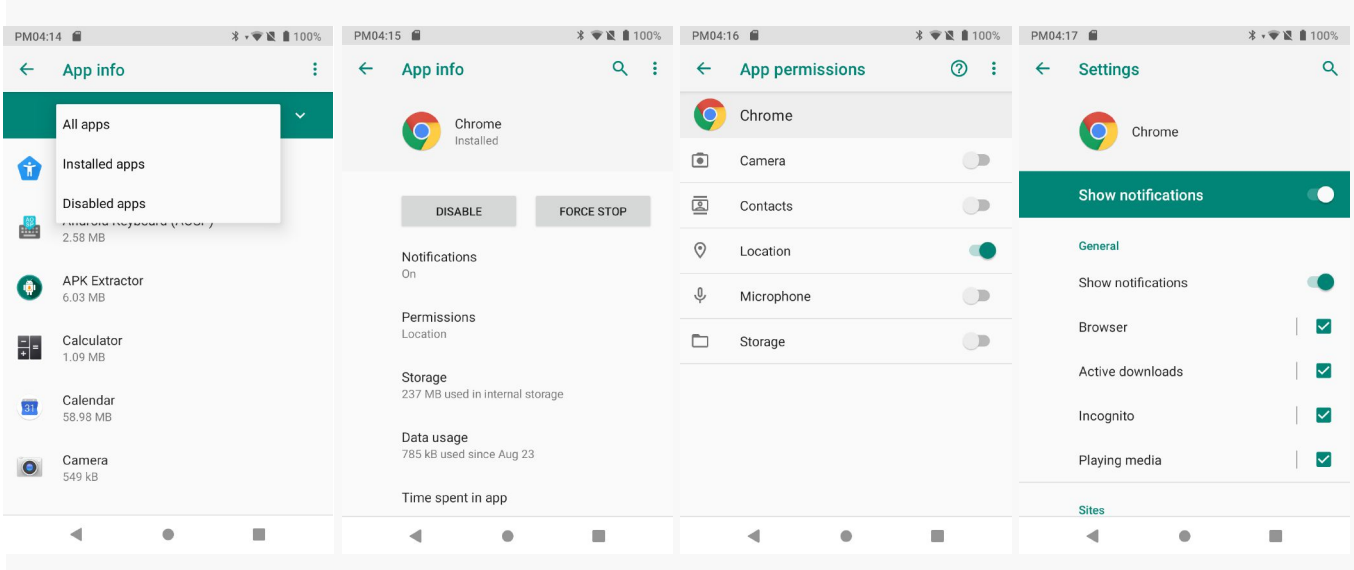
Apps & notifications

Touch **Apps & Notifications** 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, ec.).





Personal Settings

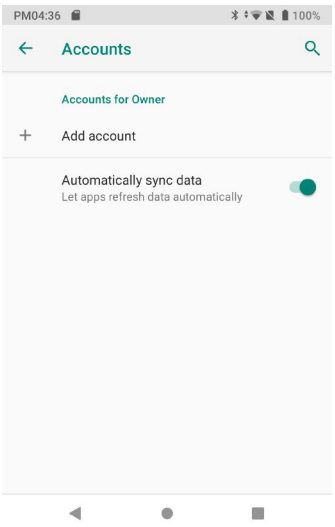
Accounts

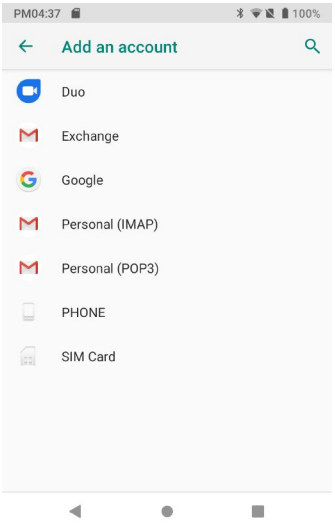
Accounts are created by going to **Settings** > **Accounts**. To add an account, tap **Add account**, then tap the type of account to add. Follow the on-screen instructions to enter the required information for the account type selected.

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.

The account appears in the **Accounts list** when setup is complete. Depending on the settings you selected during the account configuration, your HT1 device may automatically start to sync account data (e.g., email, contacts, music and calendar, etc.).

To remove an account, go to **Settings** > **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.



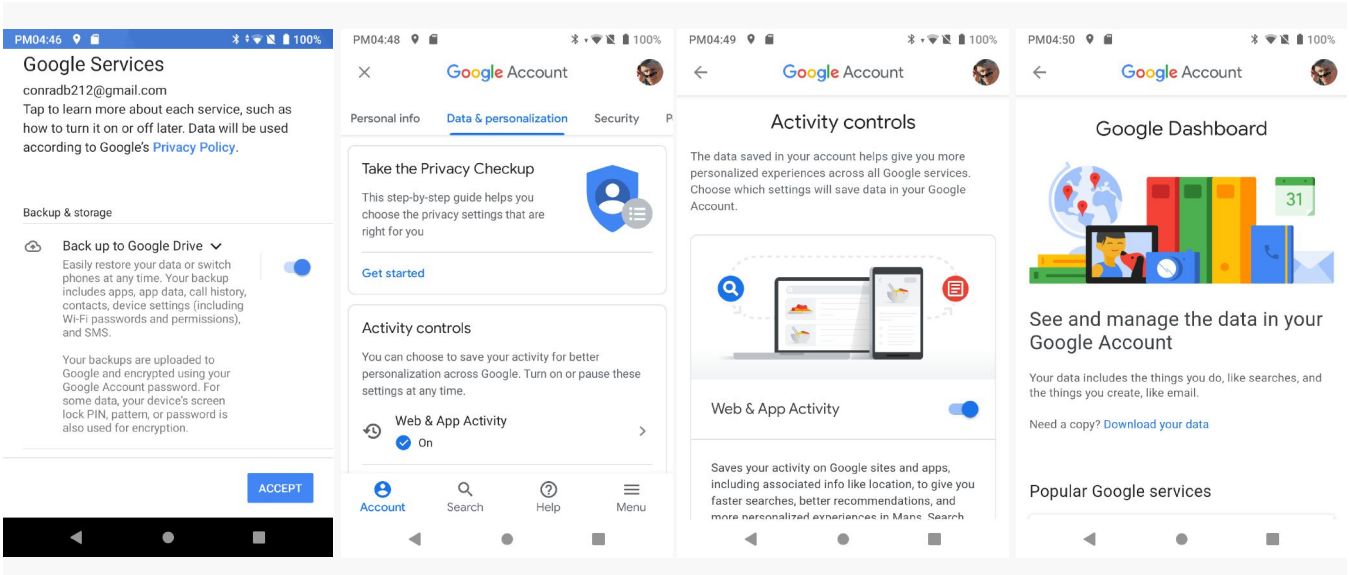


Google Account

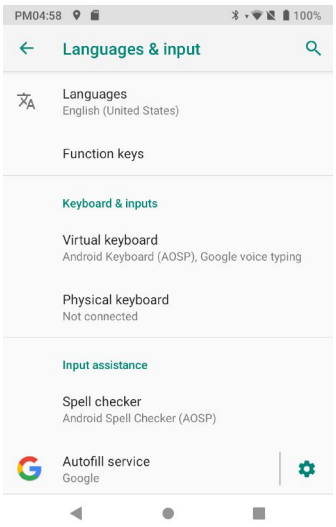
Android is tightly integrated with many Google services. Examples are backups, app and security updates, privacy settings, location services and more. While it is not required to have a Google account to use Android on the HT1, without it a lot of Android functionality is not available.

Google accounts do not have to be Gmail accounts! You can set up your Google account with any other email account you may already have.

Your Google account has numerous options, settings and checkups that allow for personalization and efficient use. Please examine at **Settings > Google**.



Personal Settings (continued)

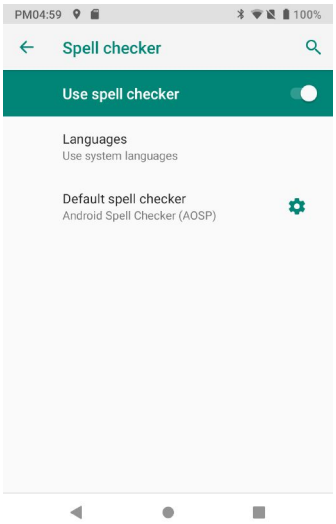


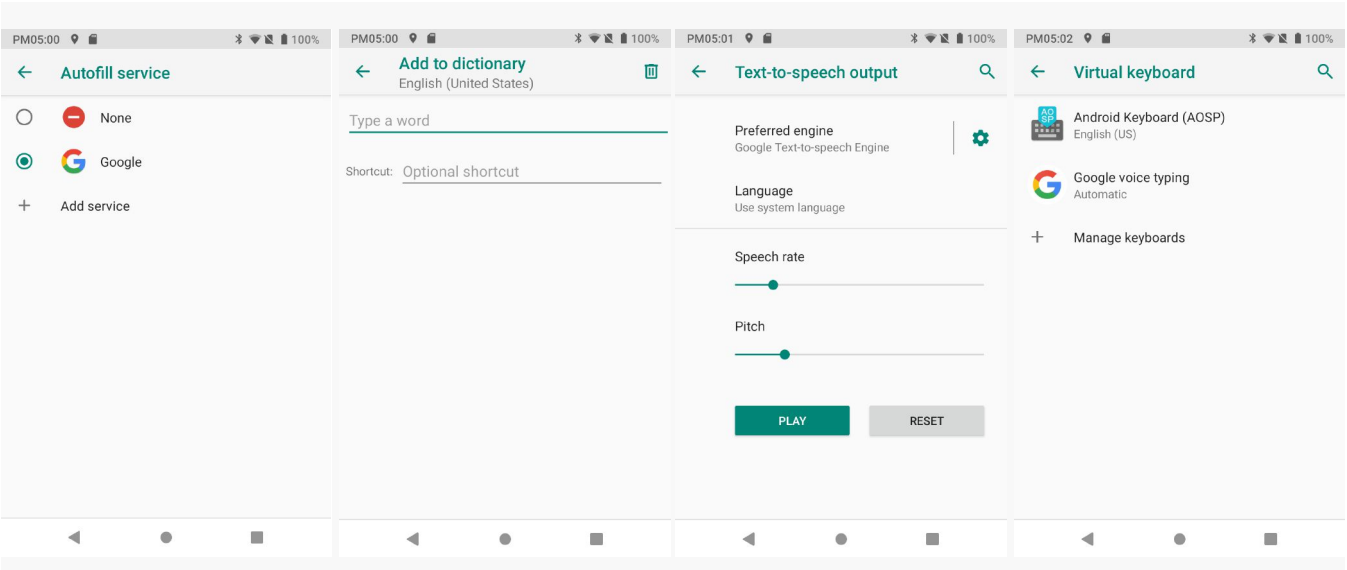
Language & input

To configure and customize various language and input settings on your HT1, go to **Settings** > **Language & input**. Here you can set:

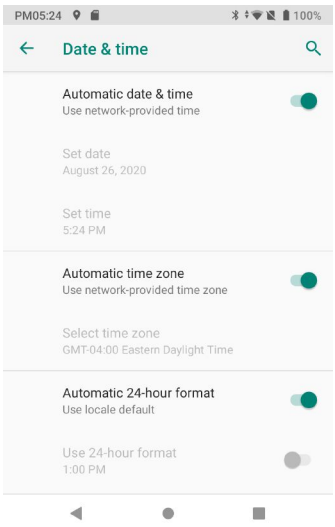
- ☐ **Language**: Select from a long list of available languages.
- ☐ **Function Keys**: Program Volume up/down and the F1 and F2 keys.
- ☐ **Keyboard & Input Methods**: By default, the enhanced virtual keyboard appears when you open an application or select a field that requires text or numerical input. 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** > **Language & input** and tap on **Virtual keyboard**.
- ☐ **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.
- ☐ **Autofill service**: Set up autofill of addresses, passwords, payment methods.
- ☐ **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 HT1.
- ☐ **Text-to-speech output**: Here you can configure **Google Text-to-Speech**, including language, volume, intonation, how numbers are spoken, etc. Text-to-speech has numerous options that make its use more effective.





System Settings



Date & time

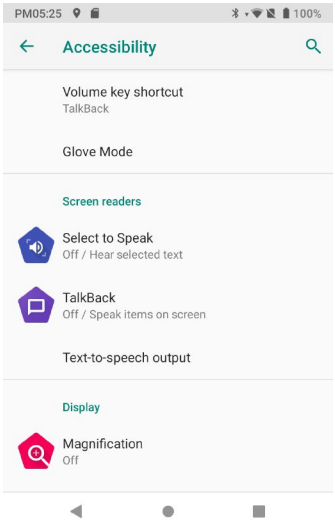
To set date and time, go to **Settings** > **System** and tap **Date & time**.

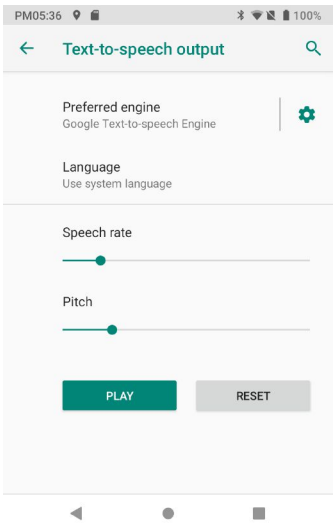
Here you can configure the date, time, time zone, time format and date format.

You can set the device to synchronize the date and time using a network connection by checking the **Automatic date & time** box or you can manually enter the values by touching **Set date**, **Set Time**, or **Select Time zone** (note that if the Automatic option is checked, the Set date, Set time and Select Time zone time menu options are grayed out).

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 HT1 to be as accessible as possible for all users. Services, system settings and display settings include:

- ☐ **Volume key shortcut**: When on, you can press both volume keys for three seconds to start an accessibility feature.
- ☐ **Glove Mode**: When on, enables touch even with (certain) gloves on.
- ☐ **Select to Speak**: When on, you can tap single or multiple (drag to select) items to hear them read aloud.
- ☐ **TalkBack**: When on, provides spoken feedback such as describing what's been touched, selected or activated.
- ☐ **Text-to-Speech output**: When checked, turns on text-to-speech and allows configuration of options.
- ☐ **Magnification**: When on, triple tapping the screen zooms in and out. Allows panning while zoomed, as well as triple tap and hold to zoom into details.
- ☐ **Color correction**: Allows settings the screen to accommodate the three types of color blindness.
- ☐ **Color inversion**: Inverts all colors.
- ☐ **Large mouse pointer**: Large pointer when used with external mouse.
- ☐ **Remove animations**
- ☐ **Large mouse pointer**: When using a mouse, the pointer can be large.
- ☐ **Accessibility menu**: Allows control of the HT1 via large menu.
- ☐ **Switch Access**: Enables the use of switches to select items, scroll, enter text.
- ☐ **Captions**: When on, displays captions in various languages, sizes and formats in apps that support it.
- ☐ **Power button ends call**: When checked, makes it easier to hang up on a call by simply using the power button.
- ☐ **Auto-rotate screen**: Set on or off.
- ☐ **Vibration**: Set vibration for calls and notifications on or off.
- ☐ **Mono audio**: Combines audio channels.
- ☐ **High contrast text**: When checked, tries to use higher contrast text styles.

4

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 HT1 rugged tablets 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 HT1 can see as it scans for available networks.

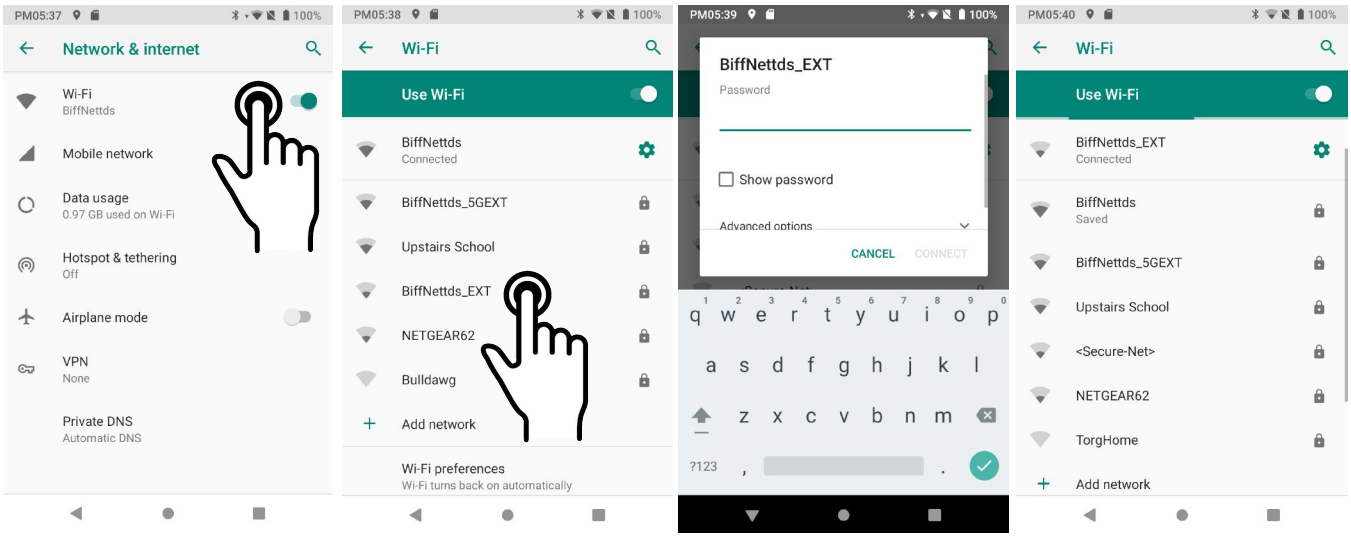
Typically, wireless local area networks are configured with a security scheme. Wireless devices connected to a wireless network must:

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.

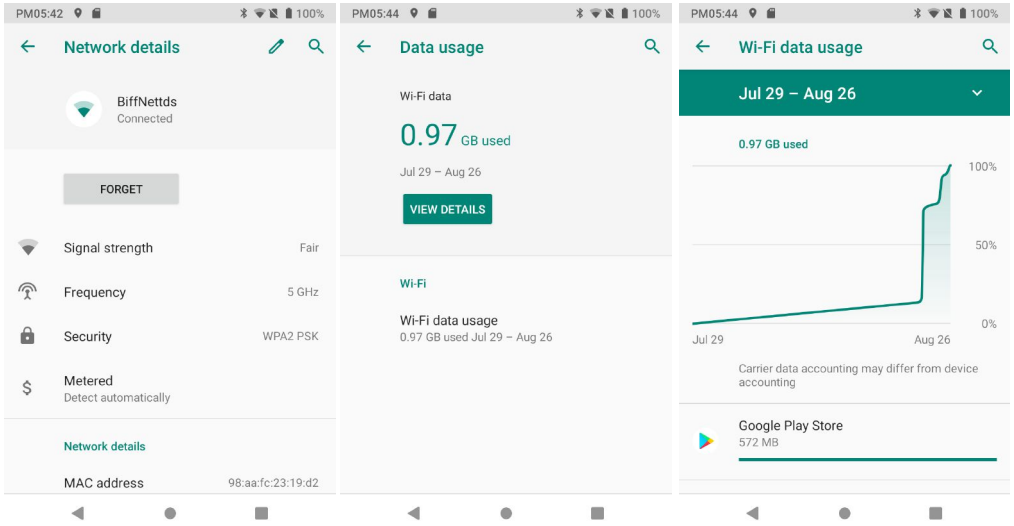
Connecting the Janam HT1 to a Wireless Local Area Network (WLAN)

To initially connect the HT1 to a wireless local area network, go to **Settings** > **Network & internet** > **WLAN**. Turn **WLAN networking** on. The XT2 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**.

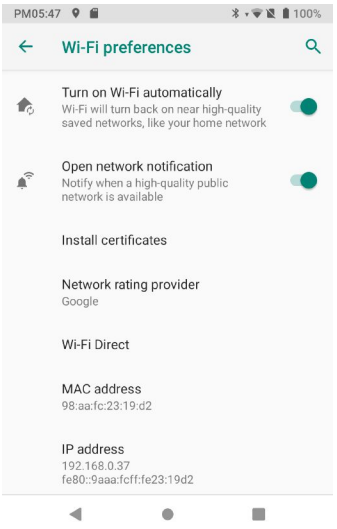


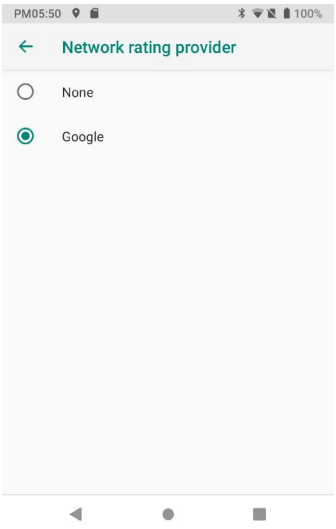
Tap on the network you are connected to show connection information (signal strength, link speed, frequency and type of security). You may also opt to **forget** this network.

In **Settings** > **Network & internet** you may also tap on **Data Usage** to see how much data you used in a given time span. Tap **Wi-Fi data usage** to see how much data was used overall and by each active app.



Wi-Fi preferences

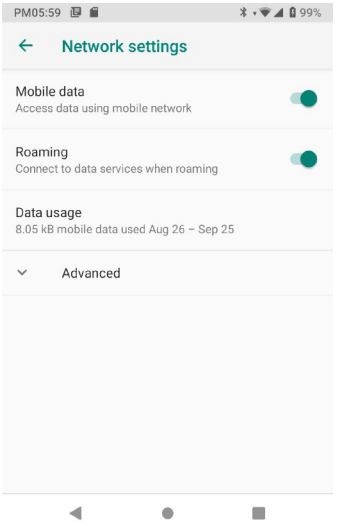


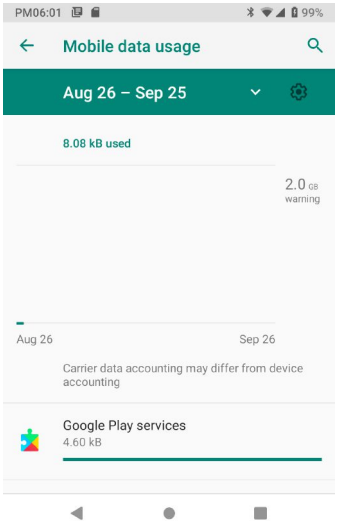


- **Turn on Wi-Fi automatically**: When on, Wi-Fi will turn back on automatically near saved networks (Wi-Fi scanning must be turned on for this option to work).
- **Open network notification**: Notifies you when a strong public network is available.
- **Install certificates**: Certificates use a crypto-graphic key to allow certain secure web connections. Certificates are saved on **Settings** > **Security & location**.
- **Network rating provider**: To help determine what constitutes a good Wi-Fi network, Android supports external Network rating providers. You may select one of them.
- **Wi-Fi Direct**: Used for peer-to-peer Wi-Fi connections that do not need a Wi-Fi wireless access point.

Mobile network

If your HT1 has mobile phone and data service, you can adjust how your device uses data.

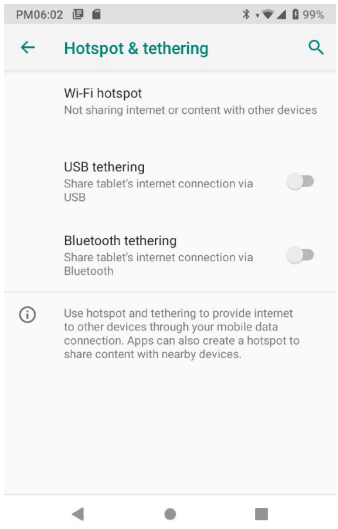


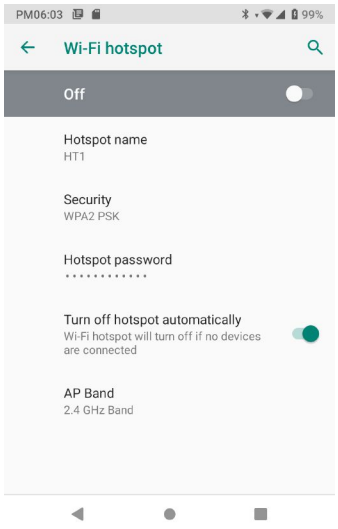


- **Mobile Data**: Determines if the HT1 uses mobile data or if connectivity is limited to voice.
- **Roaming**: Allows or disallows to connect to data services other than your primary provider when roaming (to prevent unexpected expense).

Hotspot & tethering

You can use your HT1's mobile data to connect another device (phone, tablet, or computer) to the internet by making the HT1 a Wi-Fi hotspot. Other devices can then connect to Wi_fi going through the HT1. Tethering can also be allowed via Bluetooth or a USB connection.





VPN

Here you may add a VPN by adding its name, type, server address, username and password.

Private DNS

If you use a domain server that reflects your own domain rather than that of a host.

5

Bluetooth

Introduction

Bluetooth is a popular PAN (Personal Area Network) technology used for short-range wireless communication. Devices with Class 1 Bluetooth capabilities, such as the Janam HT1, can send and/or receive information over distances of up to 100 meters (330 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 HT1 rugged tablet. 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:

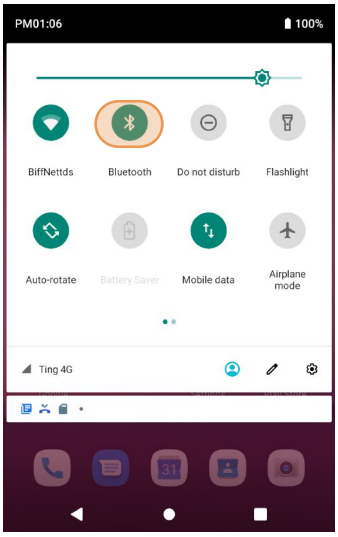
A Bluetooth partnership (often referred to as a pairing) is, as it relates to this chapter, a relationship created between the HT1 and another Bluetooth-capable device to securely exchange information or provide a Bluetooth function. Creating a partnership involves (A) one Bluetooth device being instructed 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.

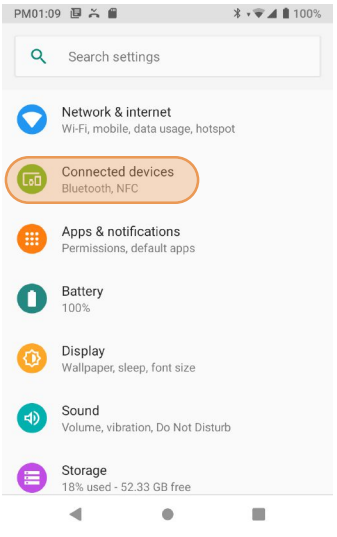
Once partnered, the devices can exchange information without re-entering the Passcode.

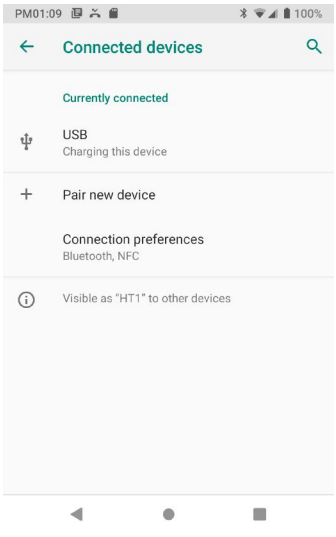
Bluetooth Concepts

Bluetooth does not have to be on in order for the HT1 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 HT1 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 devices being "**paired**" and "**connected**." Paired means that a Bluetooth relationship has been established between two devices, and they know each other. Being connected means the two devices have an active connection.



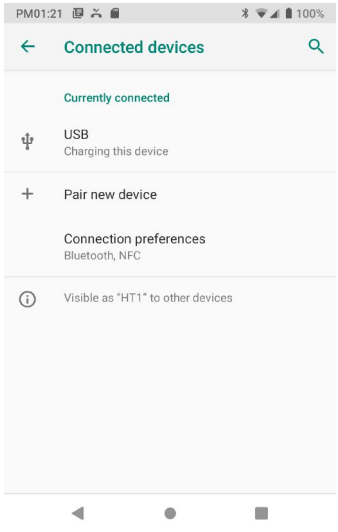


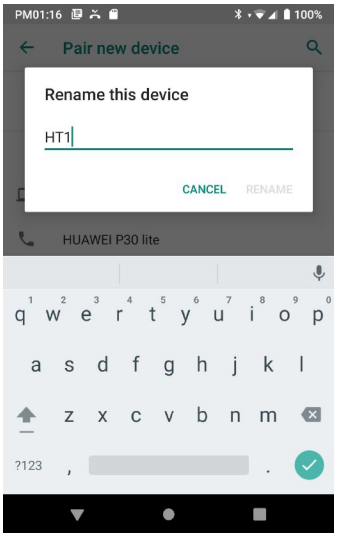


Depending on the type of device, a connection may be established automatically once already paired devices are within range (like a Bluetooth keyboard for a desktop computer). For other paired devices it may make more sense to manually connect them as needed (like for file transfer between devices).

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 HT1 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 HT1 discoverable, go to **Settings** > **Connected devices** > **Connection preferences** > **Bluetooth** and turn Bluetooth status on.

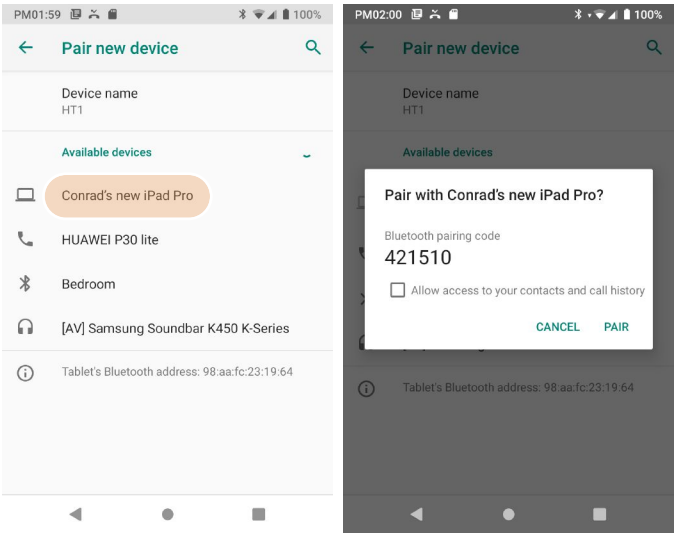




Note that it's not always easy to determine the nature of discovered devices, especially when they are shown to the right, two are listed only by the MAC (Media Access Control) hardware address. To keep the HT1 from showing up with such a code or serial number, rename it to something descriptive (like "Janam HT1").

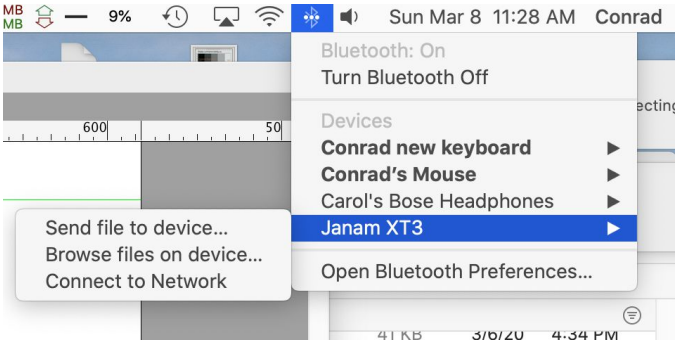
Bluetooth Pairing

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 HT1 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 HT1 with an Apple iPad. Go to **Connected Devices** > **Bluetooth**, turn Bluetooth on, and wait until the target shows up as a device that can be paired, then **Tap to Pair**.

In this combination, the HT1 then receives a pairing request from the iPad, 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.

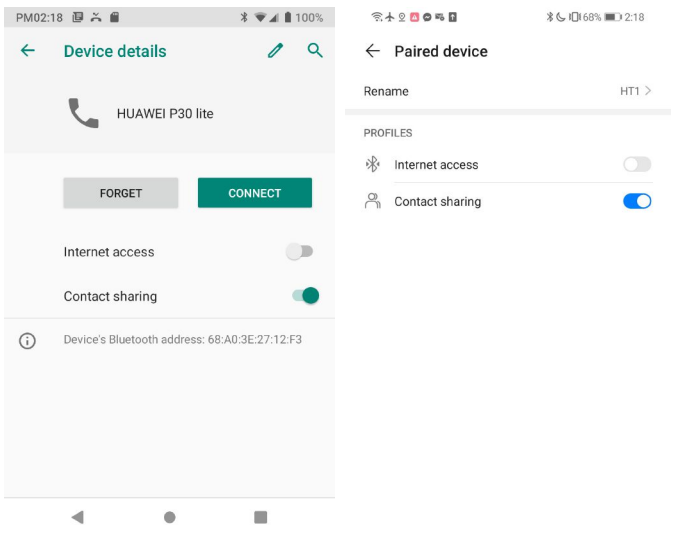


If the number is the same on both devices, accept the pairing request on both the HT1 and the target, and after a bit, the two are then paired.

Paired devices will remain on the HT1'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 HT1 and select **delete** on the resulting popup.

Available Bluetooth Services

As stated above, Bluetooth "services" between two connected devices vary. To the right are examples of a Janam XT3 device connected to an iMac (center). In that case, the Bluetooth services included file transfer, remote file browsing and network connection.



The example to the right shows the HT1 paired with a smartphone. In that case, available services were limited to internet access and contact sharing.

6

Camera

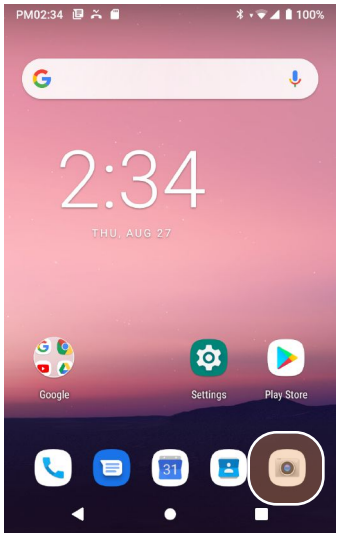
Introduction

The Janam HT1 rugged tablet 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 UHD 4k. Both functions are useful for documentation of inventory locations, product damage, procedures and more. In addition, the HT1 incorporates a 5.0 megapixel front-facing camera primarily intended for video conferencing and video calls.

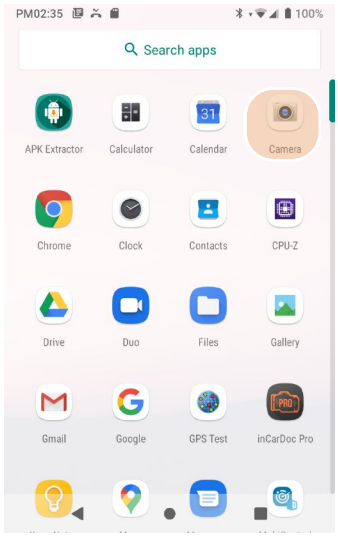
Different ways to activate the camera:

- Tap the **Camera** icon on the HT1 **Apps Screen**
- Tap the **Camera** icon on the HT1 **Home Screen**
  (if you placed a camera shortcut there)
- Optional: set programmable hardware button to launch the camera (Use **Settings** > **System** > **Languages & input** > **Function keys** to assign launching the camera to function buttons F1 or F2)

From Start Screen (if added)



From Apps Screen



Programmable buttons F1 and F2 can be set to launch camera



Camera Controls Overview

All of the HT1 camera controls are located onscreen. The camera can be used both in portrait or in landscape orientation.

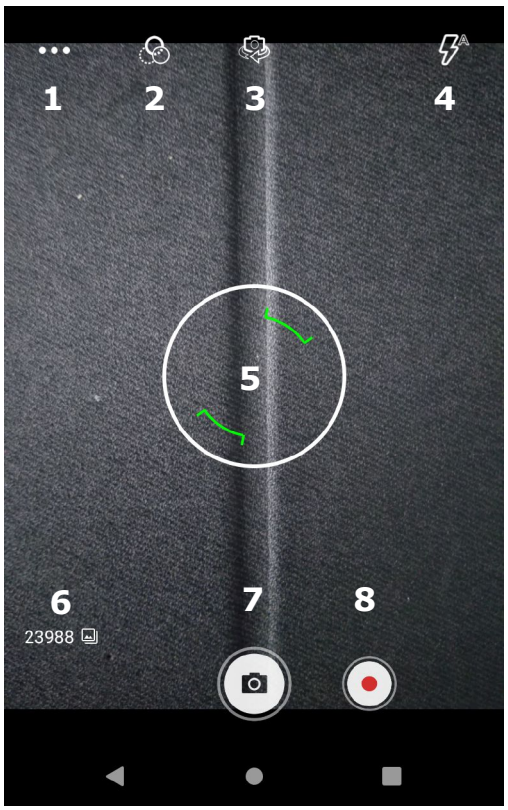
Front camera location



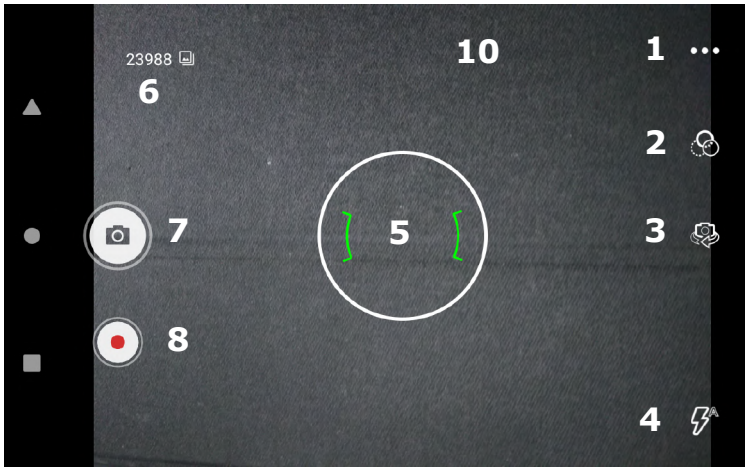
Rear camera location (if equipped)



Camera controls in portrait mode

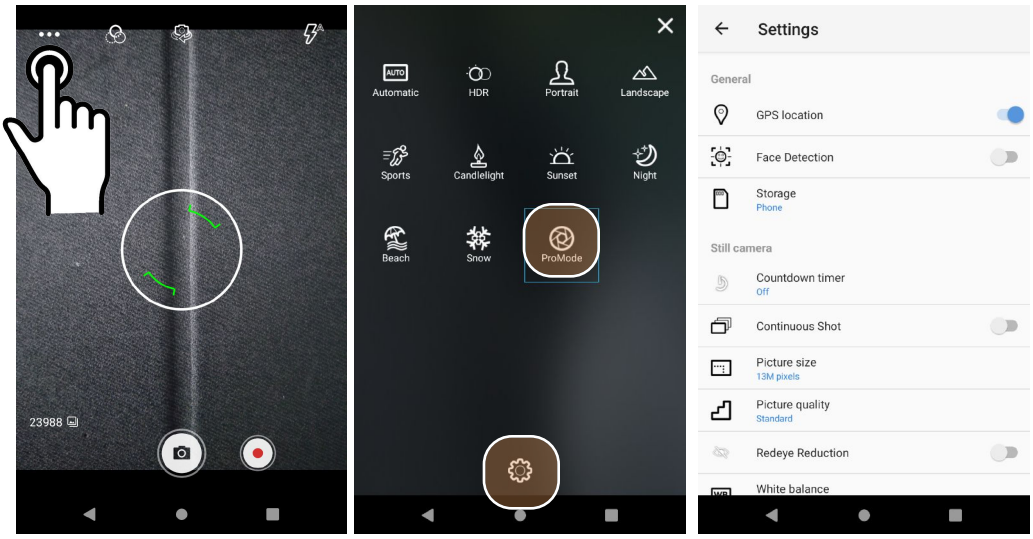


Camera controls in landscape mode



1 **Modes** — Tap to bring up Mode selection screen.
2. **Filters** — Tap to bring up selectable filters.
3. **Camera selection** — Tap to toggle between front and rear camera.
4. **Flash** for rear camera. Tap to cycle on/auto/off. In video mode, it turns LED light on/off.
5. Touch wherever you want the camera to focus on *green means ready to shoot).
6. Available image storage capacity at current setting
7. **Camera shutter** for still pictures
8. **Camera shutter** for video

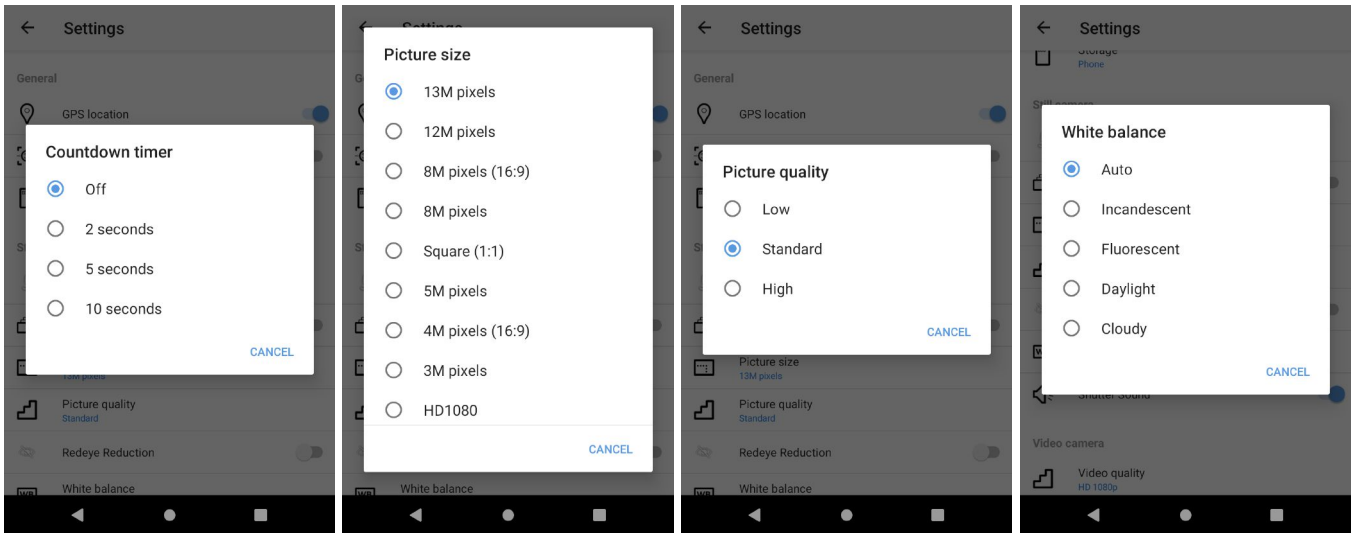
Still Camera Settings



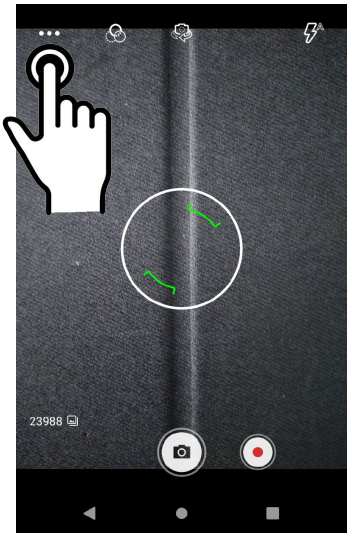
When using the Camera app, tap on the three-dot options icon to bring up the white scene modes screen. There you can set the camera into **ProMode** that adds **manual control** over **exposure**, **focus**, **white balance** and **ISO**. Tap the ⚙ icon to get into **Camera Settings**.

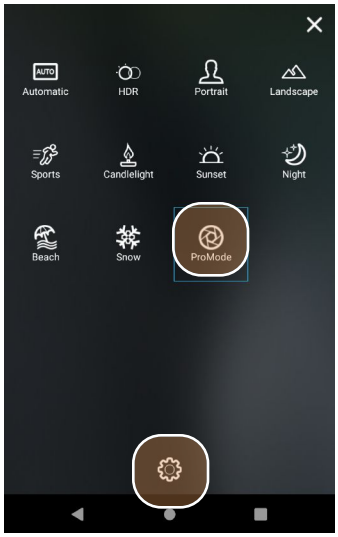
Still mode settings

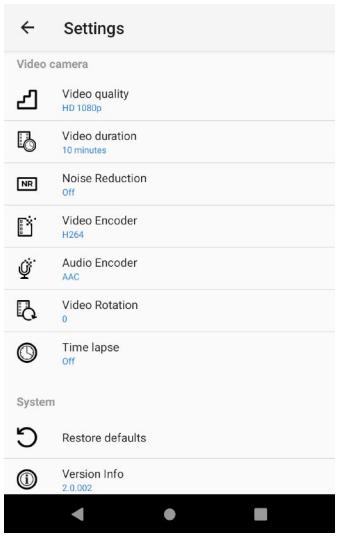
In **General** settings, you can toggle GPS location and face detection on and off, and also set the default image storage location. In **Still camera** you may set the **countdown timer**, **continuous shot mode** (camera keeps shooting as long as you depress the shutter). **image resolution**, **picture quality**, **red eye reduction**, **white balance** and the **shutter sound**.



Video Camera Settings



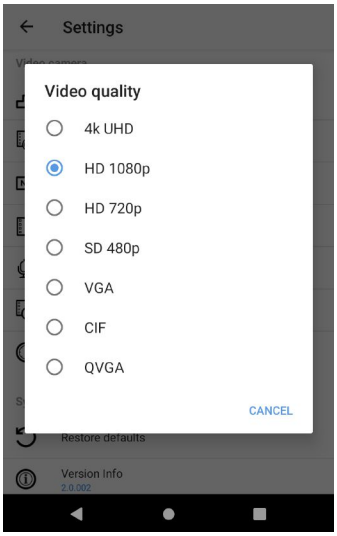


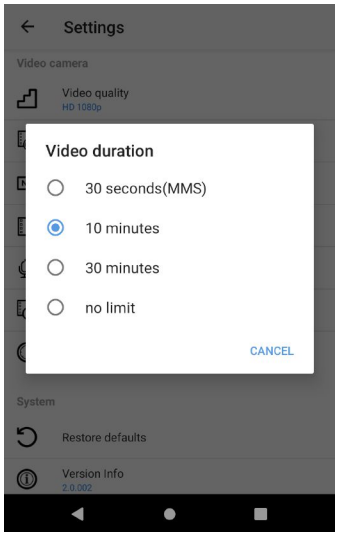


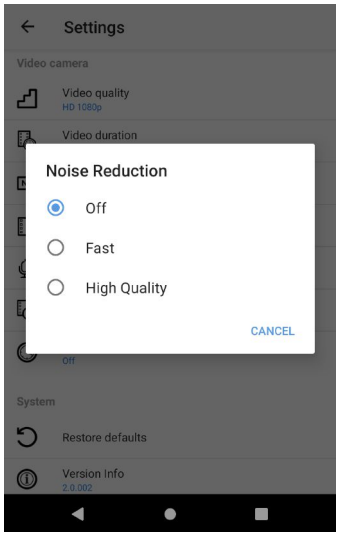
When using the Camera app, tap on the three-dot options icon to bring up the white scene modes screen. There you can set the camera into **ProMode** that adds **manual control** over **exposure**, **focus**, **white balance** and **ISO**. Tap the ⚙ icon to get into **Camera Settings**.

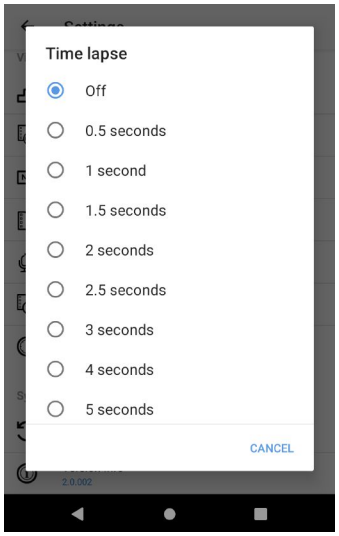
Video mode settings

In **General** settings, you can toggle GPS location and face detection on and off, and also set the default image storage location. In **Video camera** you may set the **video quality** (resolution), **video duration**, **noise reduction**, **video encoder**, **audio encoder**, **video rotation** and the **time lapse**.



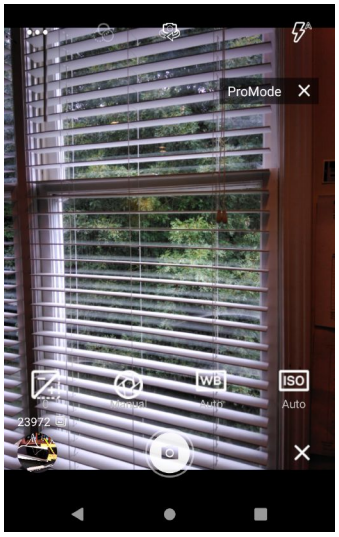


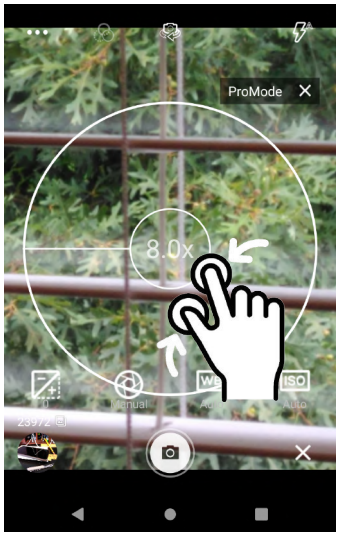




Camera Zoom

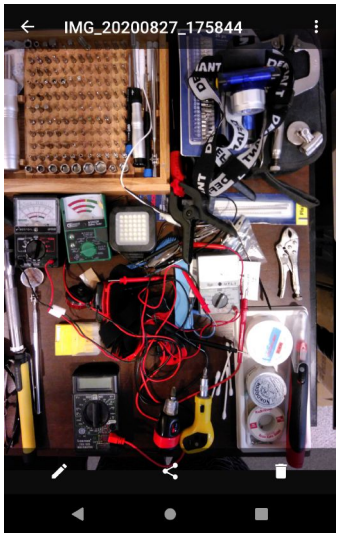
Both of the HT1's cameras have digital zoom. To zoom in and out, touch with two fingers, then pinch them together or draw them apart. Alternatively, you can also touch and then drag the zoom slider at the bottom of the display.



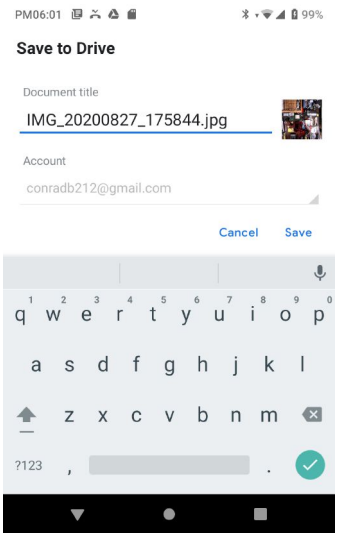


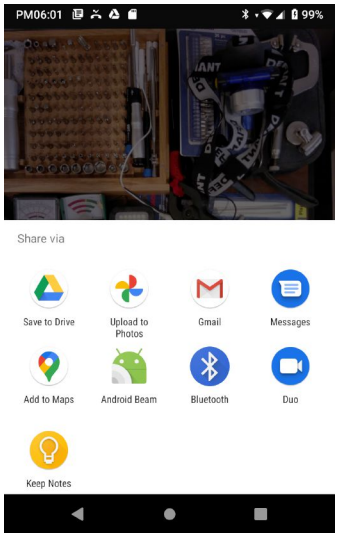
Editing Pictures

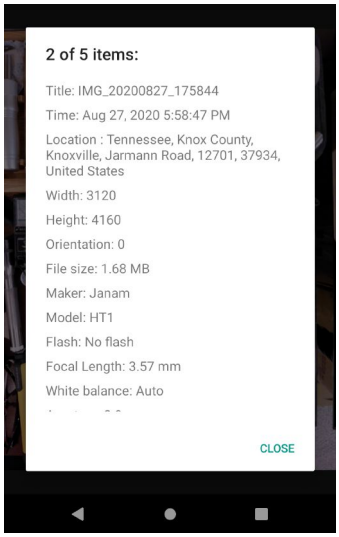
Swiping left when in the HT1's standard Android **Camera app** brings up the Android **Gallery app** and displays the last image captured. Tap on **:** and **Details** to get a list of very detailed information about the image. This data alone shows that the HT1 camera can do a lot more than the basic camera app sports.



Tap the **share icon** in the Gallery, and you'll get a list of apps and services to send to or share images. The below example shows how to upload a picture to Google Drive.



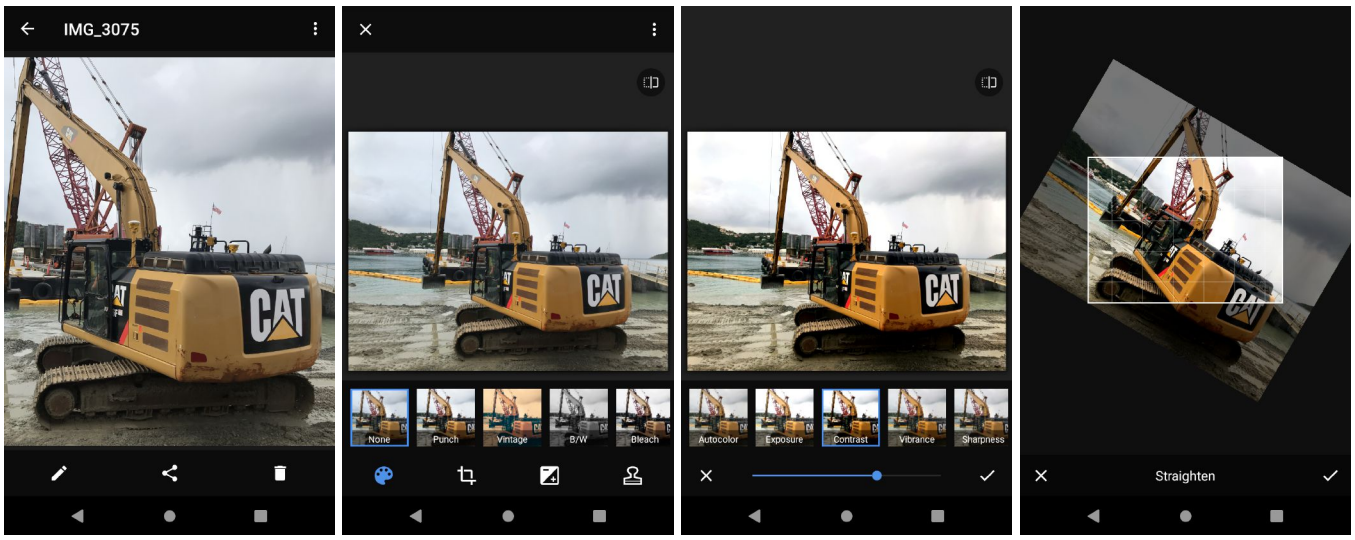




Editing and managing pictures with the Google Gallery and Photos app

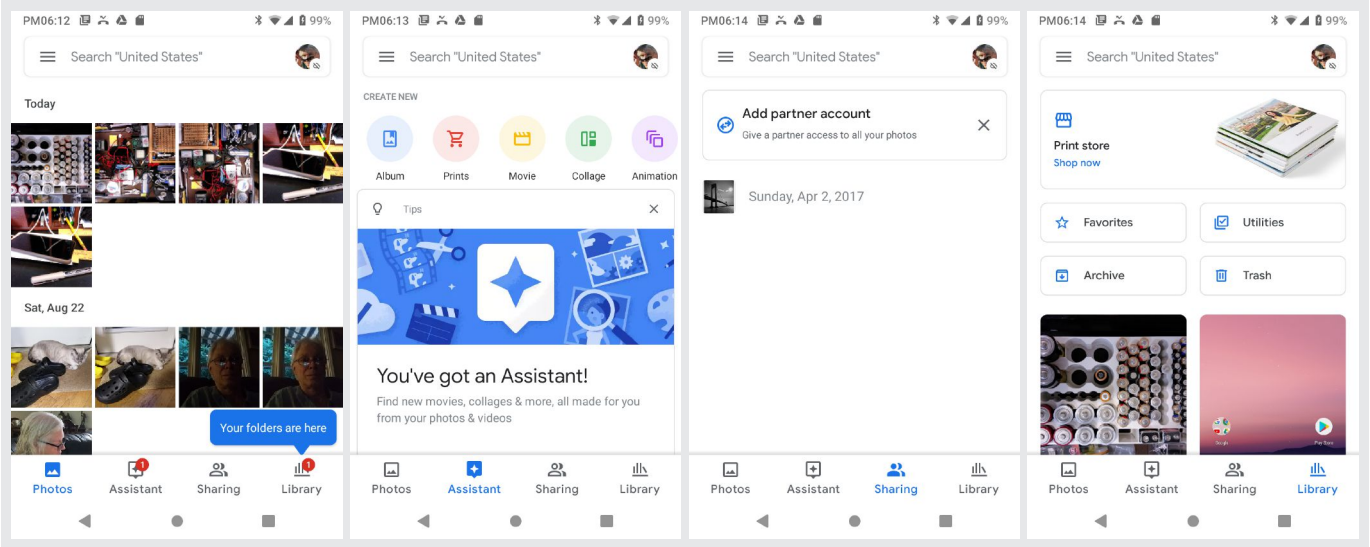
The Google **Gallery app** has three function areas:

- ☐ Applying presets (such as B/W, vintage, punch, etc.) or a custom preset.
- ☐ Adjusting various light, color and "pop."
- ☐ Cropping, rotating, aspect ratios, etc.



With the Android **Photos app** you can also:

- ☐ View and sort your pictures.
- ☐ Manage and back up pictures.
- ☐ Create albums, movies, animations, photo books, etc.
- ☐ Use an assistant to get a task done.

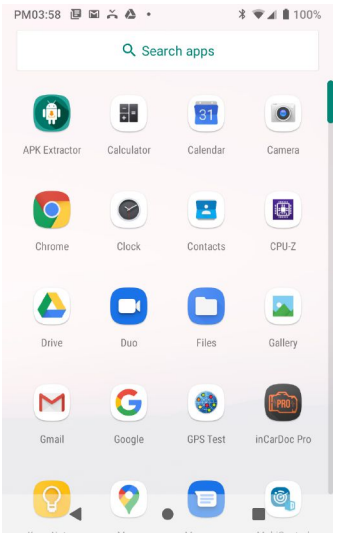


7

Email

Introduction

Like a smartphone, laptop or desktop PC, the HT1'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 HT1 to receive, read, respond to and send emails via Wi-Fi or cellular data.

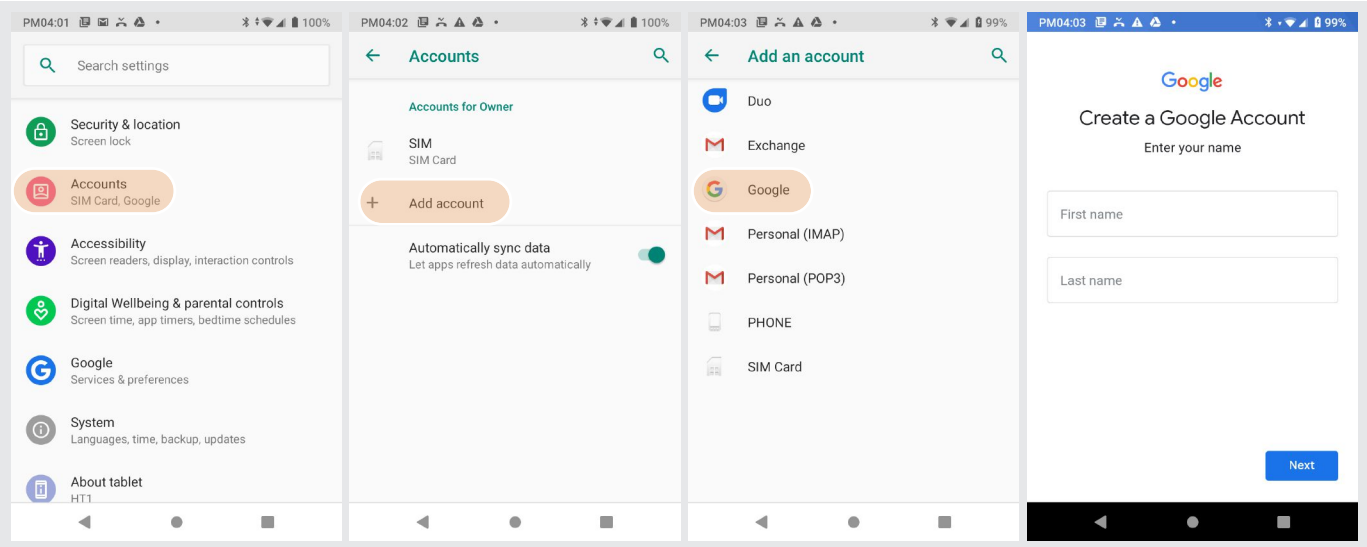


The **Google Gmail app** is the default Email app installed on the HT1. The **Gmail app** can be used without an actual Google account. It simply serves as the HT1's email app that can accommodate a single email account or multiple accounts.

Before setting up an email account on the HT1, be sure that a core email address is active with an email service provider or within a private enterprise (corporate) network to which the HT1 user has access and authorization.

Setting up Email

To add your email account(s) to the HT1, tap on **Settings > Accounts** on the Apps screen. For popular email service providers, entering your email address and password will be sufficient.

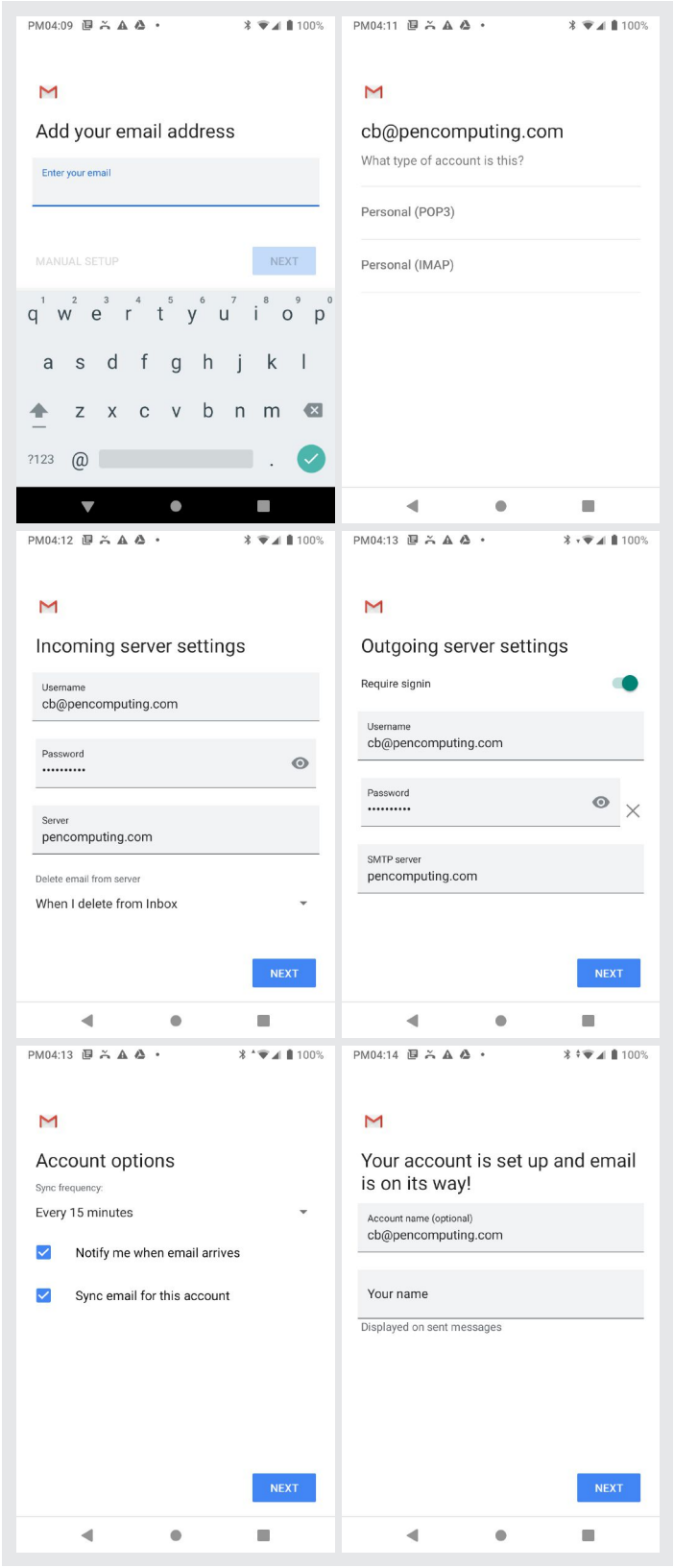


Manual Email Setup

If your email provider isn't on the list of popular email service providers (like Gmail or Yahoo), or your email provider requires more during setup than just email address and password, you need to use the **Manual Setup** option.

During Email Setup

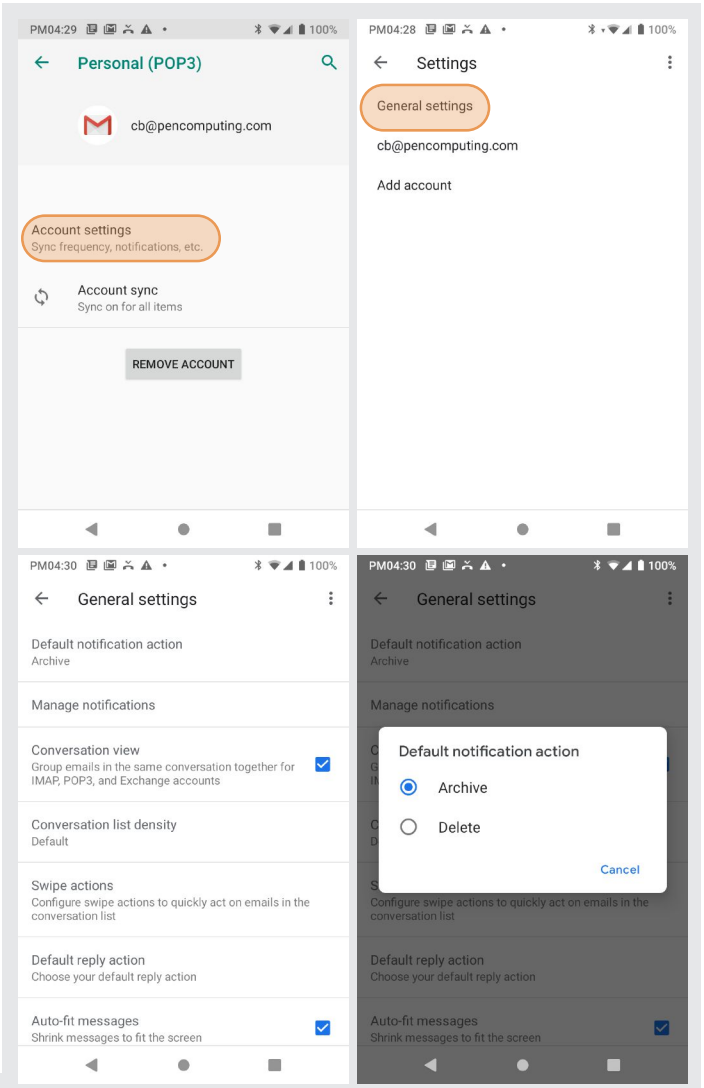
During email setup you will be asked how often you want your HT1 to check with your email provider and update email. "Never" means you'll do it manually.

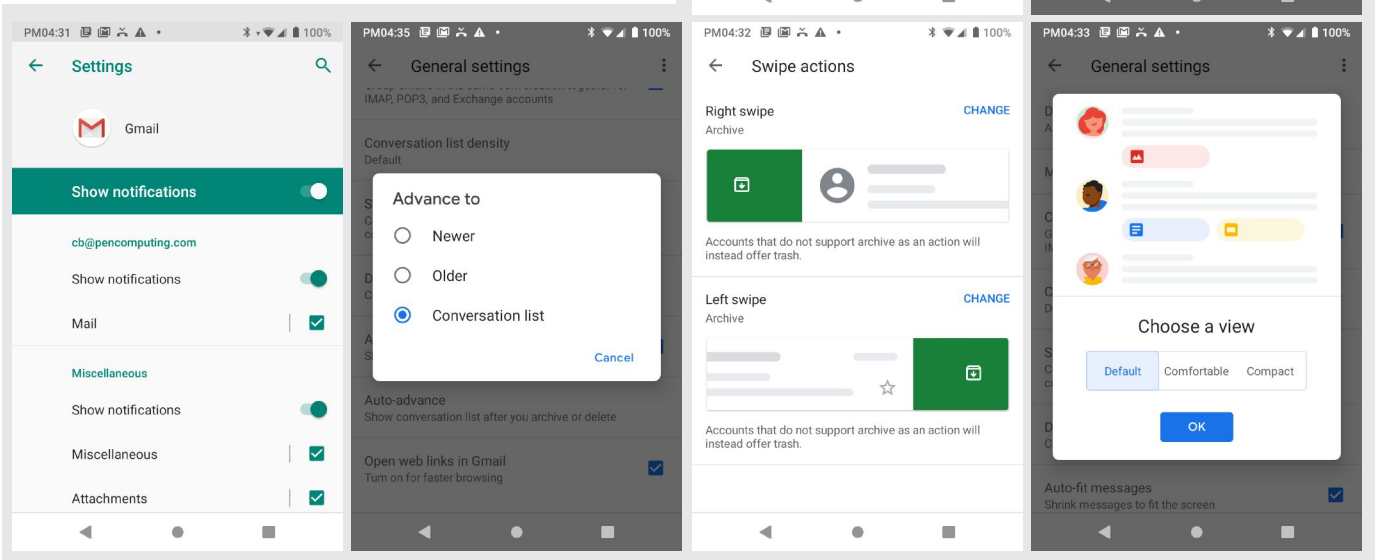


General Email settings

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

- Archive or delete emails
- Manage notifications
- Group emails in conversations or not
- How densely email is to be shown
- What swipe actions should do
- Replying to all as default (!)
- Auto-fit messages on the display
- Open weblinks in Gmail or not
- Confirmations before sending, deleting and archiving messages.





Account-specific Email settings

To get to account-specific settings, **launch Gmail**, tap on the options (triple bar) icon and tap on **Settings**. Select the email account you want to apply settings to.

Inbox

How emails in your inbox should be listed, and what kinds of inbox categories there should be.

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.

Signature

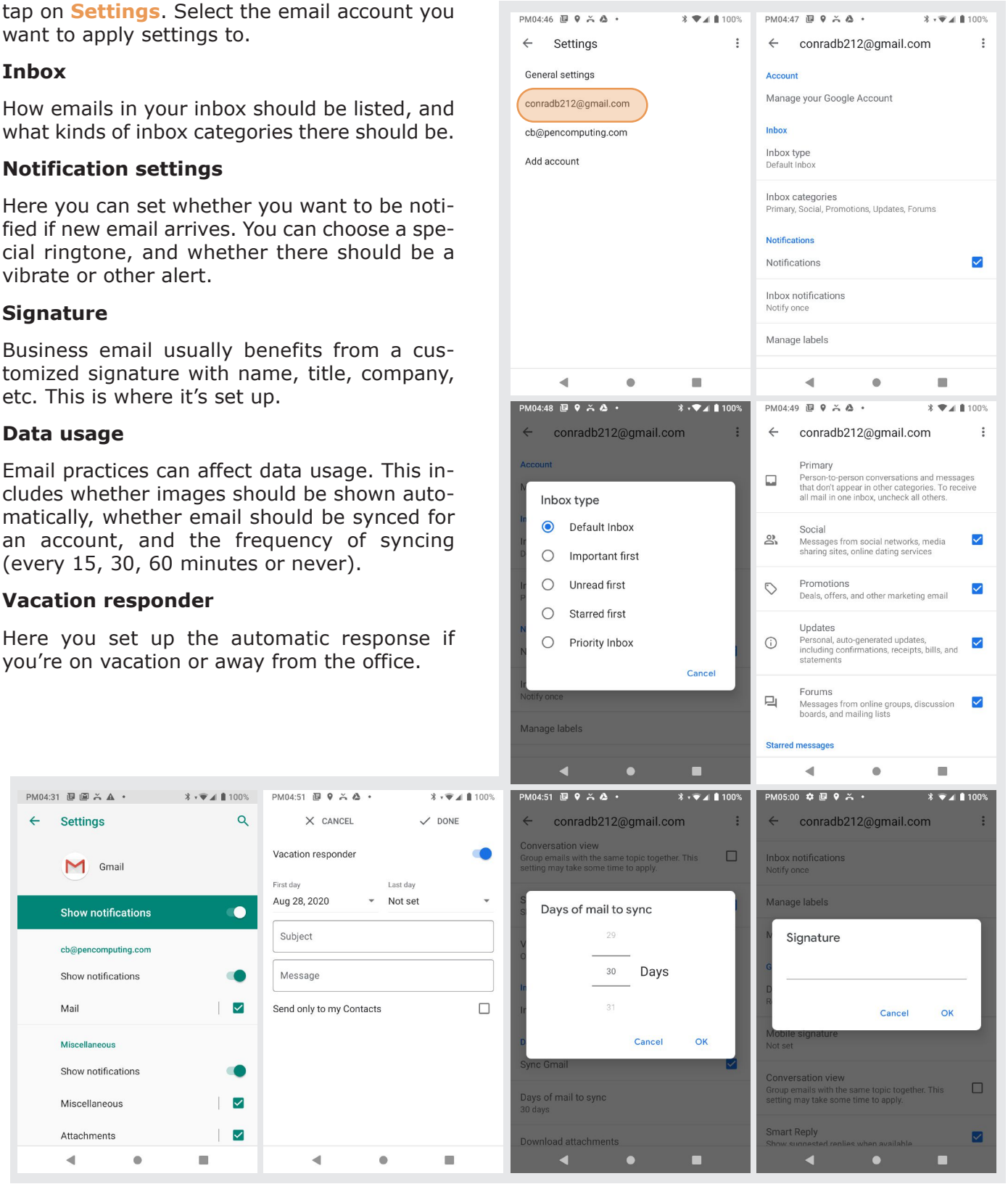
Business email usually benefits from a customized signature with name, title, company, etc. This is where it's set up.

Data usage

Email practices can affect data usage. This includes whether images should be shown automatically, whether email should be synced for an account, and the frequency of syncing (every 15, 30, 60 minutes or never).

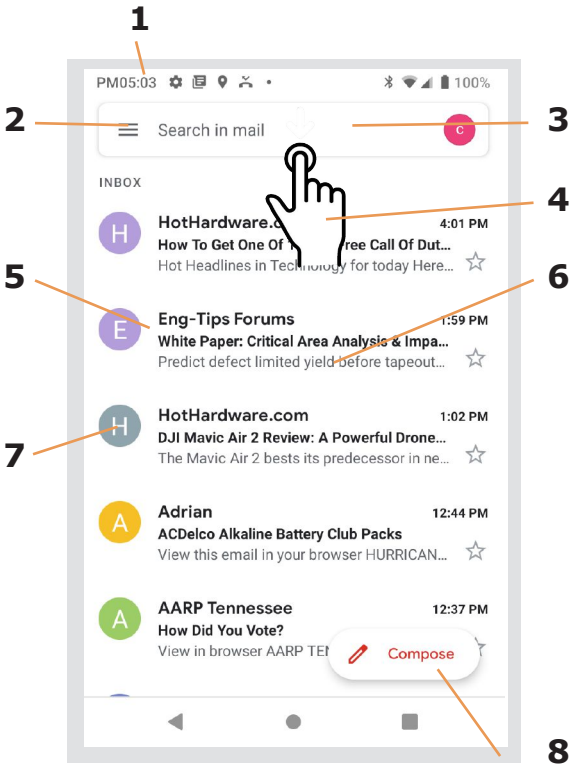
Vacation responder

Here you set up the automatic response if you're on vacation or away from the office.



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.	Tap to search email
4.	Swipe down to check for new email
5.	Email sender and title
6.	Tap on individual emails to see full text
7.	Checkboxes to select multiple emails
8.	Compose a new email message

Creating and Sending an Email:

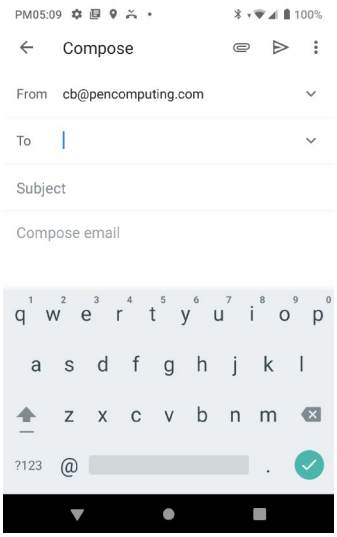
From the Email Inbox, tap the **Compose icon** (8) to launch a new email. Tap on **To:** to bring up the keyboard. Begin typing the email address. Tap down arrow to open CC and BCC fields.

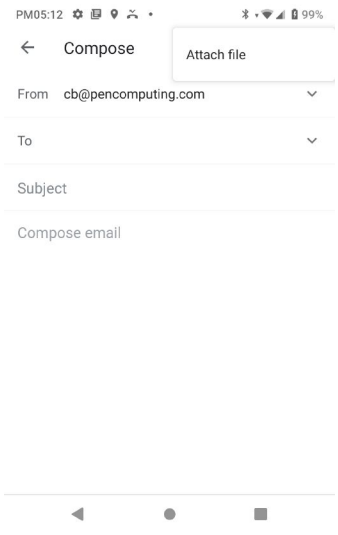
Tap on the text area to begin typing (or dictating) your email. Tap the **paperclip icon** to add an **attachment** from a variety of sources. When done, hit the paper **airplane icon** to **Send**.

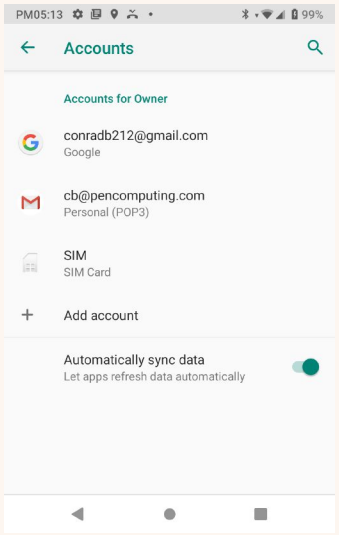
Deleting an Email account:

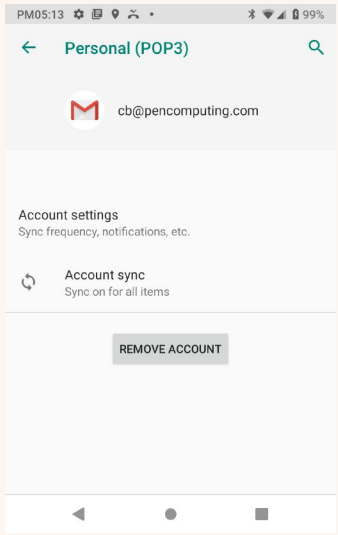
To delete an email account, go to **Settings**, tap on **Accounts**, tap the desired account, make sure sync is off, then tap **Remove account**.

Note that this will only remove the account from this device, it will not close down the account.









8

Tools

One of the great strengths of the Android operating system is the wealth of tools, utilities and productivity apps readily available from the Google Play Store or other sources. Janam preloaded the HT1 with a few examples of such tools.

GPS Test

Checks GPS reception, updates AGPS data for faster fix time, reads sensor data. Supports all major satellite systems.

NXP TagInfo

Utility to identify applications on cards and tags, as well as IC types and IC manufacturer.

PingIP

Utility to ping domain or ip addresses and test internet connections.

QuickSupport

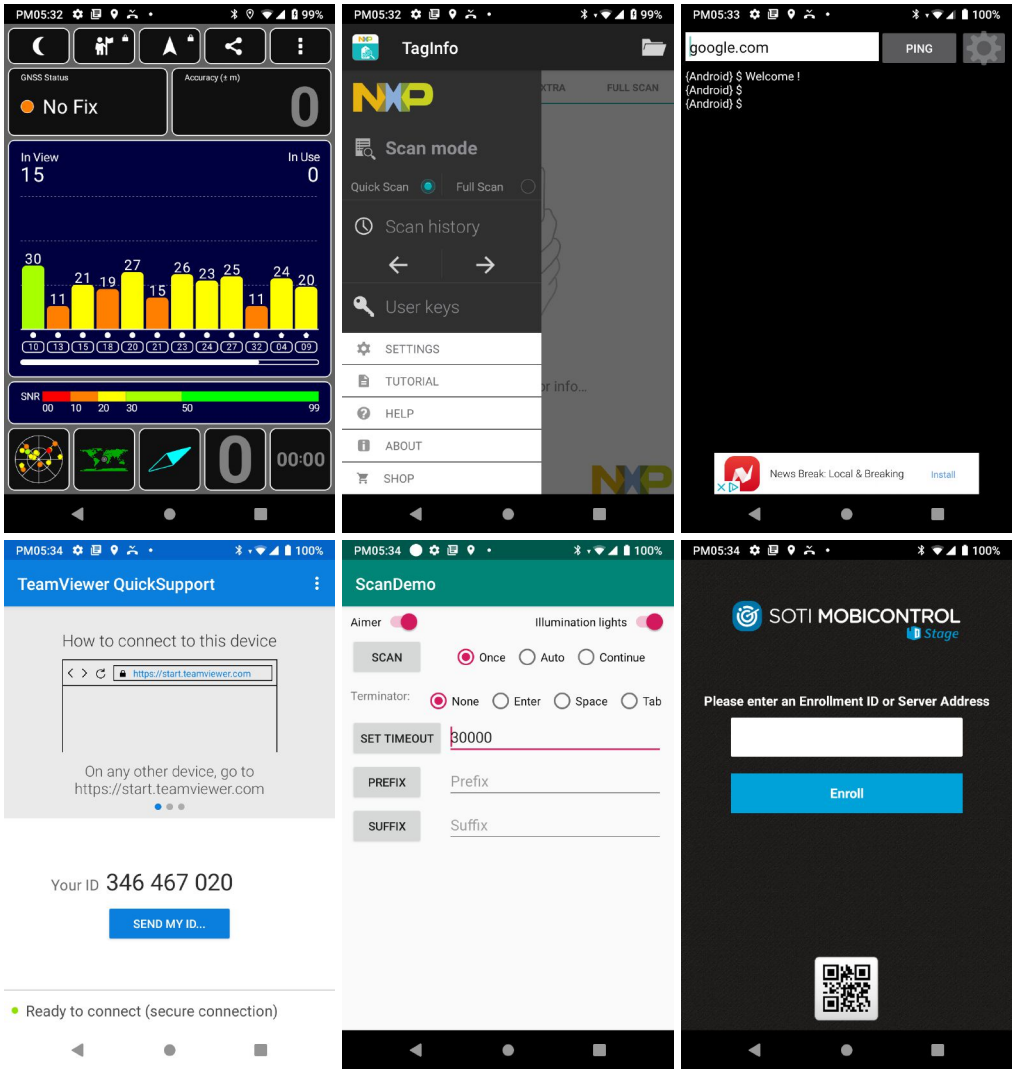
Example of remote support for mobile devices. Technicians can chat, transfer files, view device info, stop processes, test Wi-Fi settings.

ScanDemo

Utility to learn about scan parameters and settings.

SOTI MobiControl

Example of SOTI's portfolio of tools, solutions and services to truly mobilize operations and optimize mobility investments

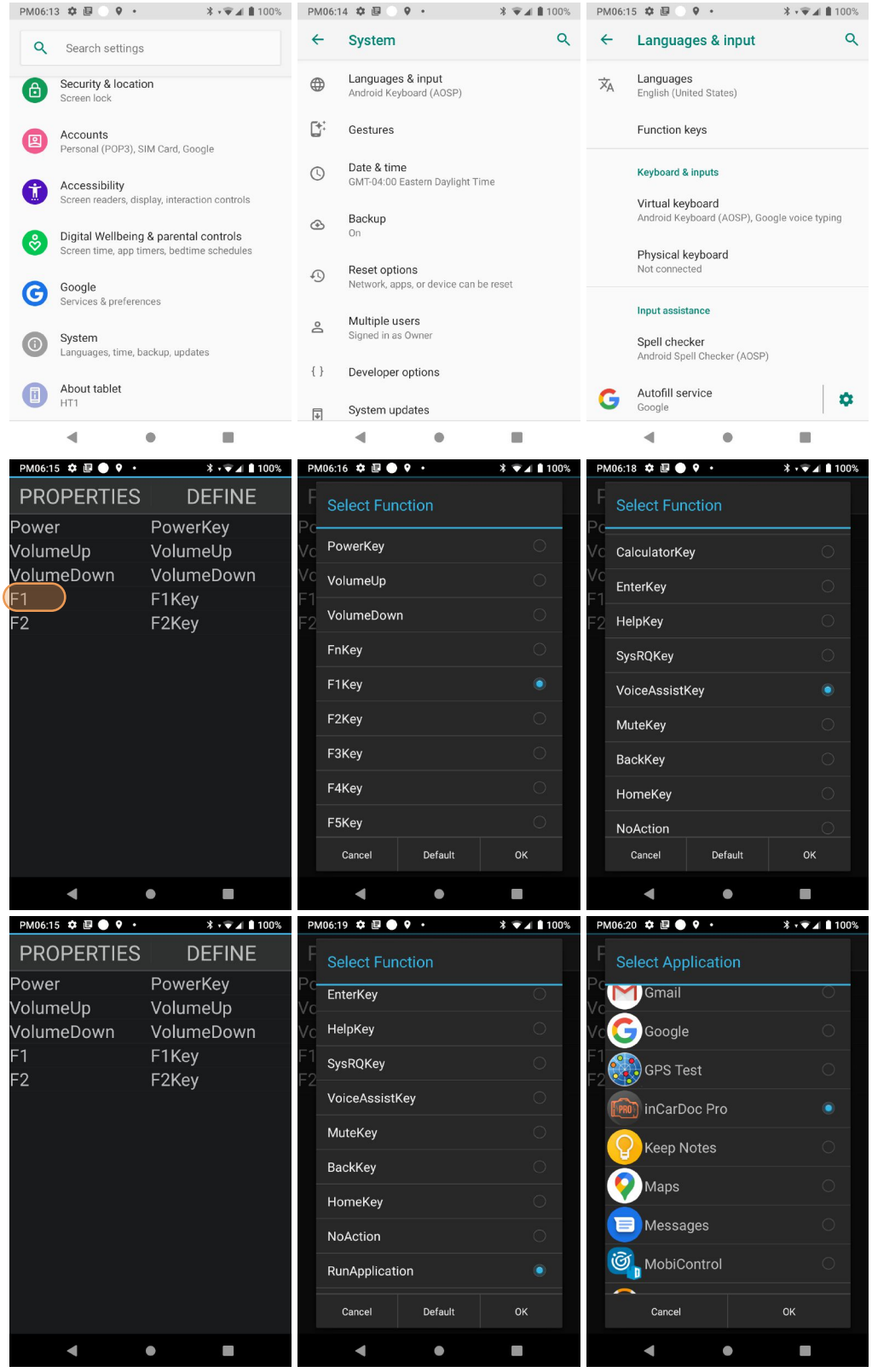


Program buttons

The HT1 has two hardware buttons (F1 and F2) as well as volume up/down keys and a power key that can be programmed.

To program a key, go to **Settings** > **System** > **Languages & input** > **Function keys**.

You may select each of the programmable keys and assign a function to it. In the examples to the right, the F1 key is set to launch Voice Assist, and the F2 key to launch an a custom application.



9

Phone Calls

Introduction

The Janam HT1 tablet, if equipped with an activated SIM card and cellular service, can be used a full-function smartphone in addition to a professional productivity tool.

Phone screen

To make a call, tap the **dialpad icon** on the bottom right of the display. The dialpad comes up to allow typing in a phone number. Alternately, tapping the area above the dialpad brings up a box to type in a name or phone number, and another to redial a recent number.

Below those two boxes are tabs for **Favorites** (star icon), **Recents** (clock icon), **Contacts** (people icon) and **Voicemail** (tape recording icon).

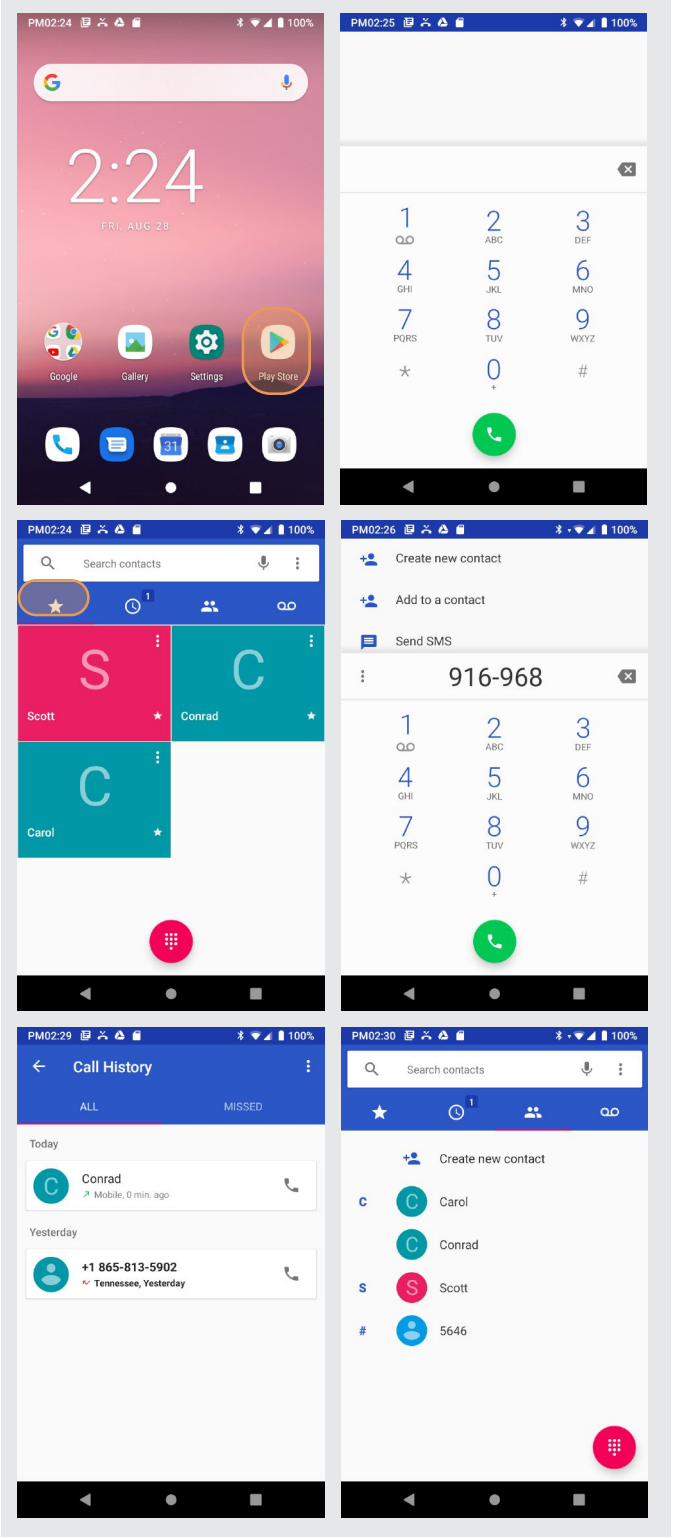
Favorites is where you add important and frequently used phone contacts.

Recents shows calls made, calls received and voice mail. Tapping on a listing initiates a call. Tapping on the people icon opens up more detail depending on the type of the listing.

Contacts shows phone contacts. These can be created on the device, or synchronized with Gmail contacts or other contact lists. Tap options for the call history, settings and help & feedback.

Voicemail shows a list of entries in your voicemail box.

At any time, tapping the **Phone dial** icon returns to the standard dial layout.



During Call Features

During a phone call, you can tap on a variety of standard phone features to add a call, mute the conversation, put the caller on hold, put the caller on speaker phone and bring up the phone dial. Grayed out options are not available on the call in progress.

Answering a Call

When a call comes in, the HT1 brings up the phone screen, showing either the number or (if known) the identity of the caller.

You then have the option to answer the call (**answer**), reject it (**decline**), or respond with a quick text message (**tap caller icon**).

Text messages can be selected from a list of canned messages, or you can create your own.

To edit your quick responses, open the Phone app, tap the three dot options button in the upper right corner of the screen, tap **Settings**, then tap **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.

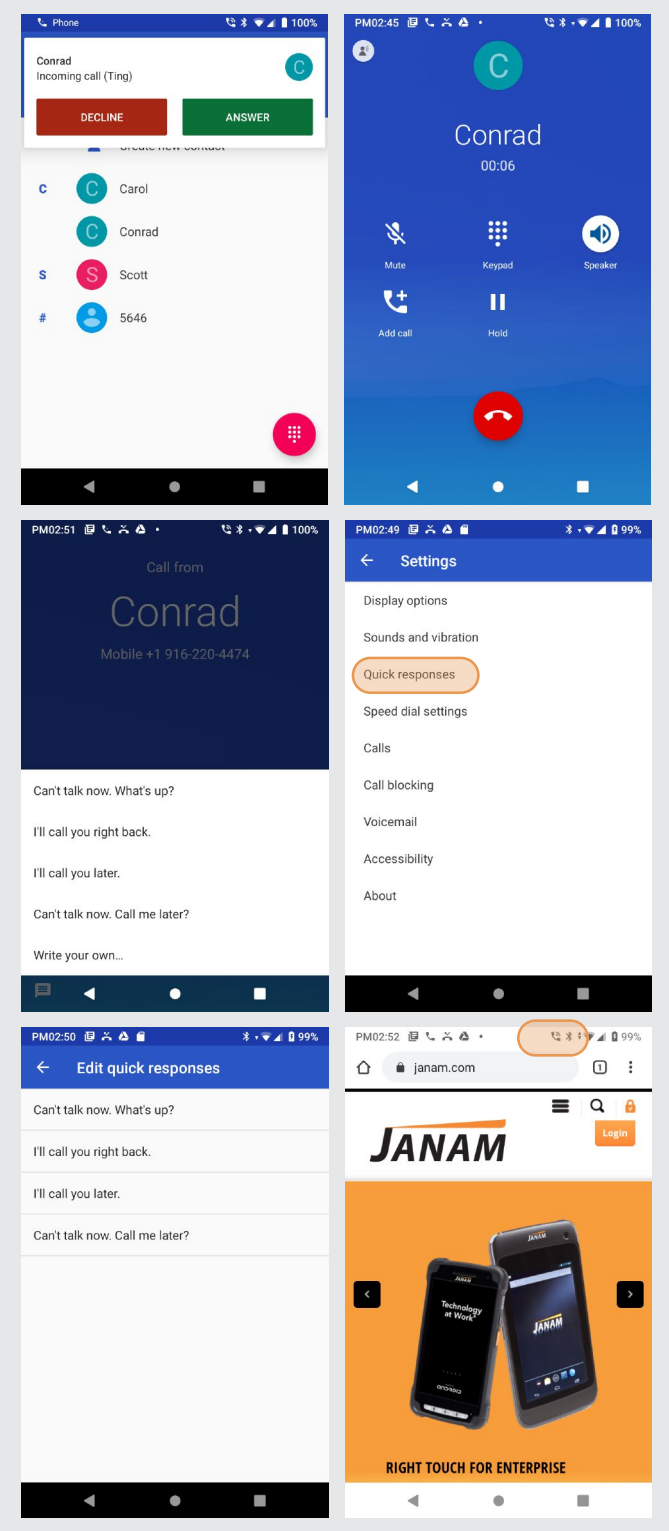
Settings

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.) and Call settings (voice mail, call forwarding, auto answer, etc.).

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.



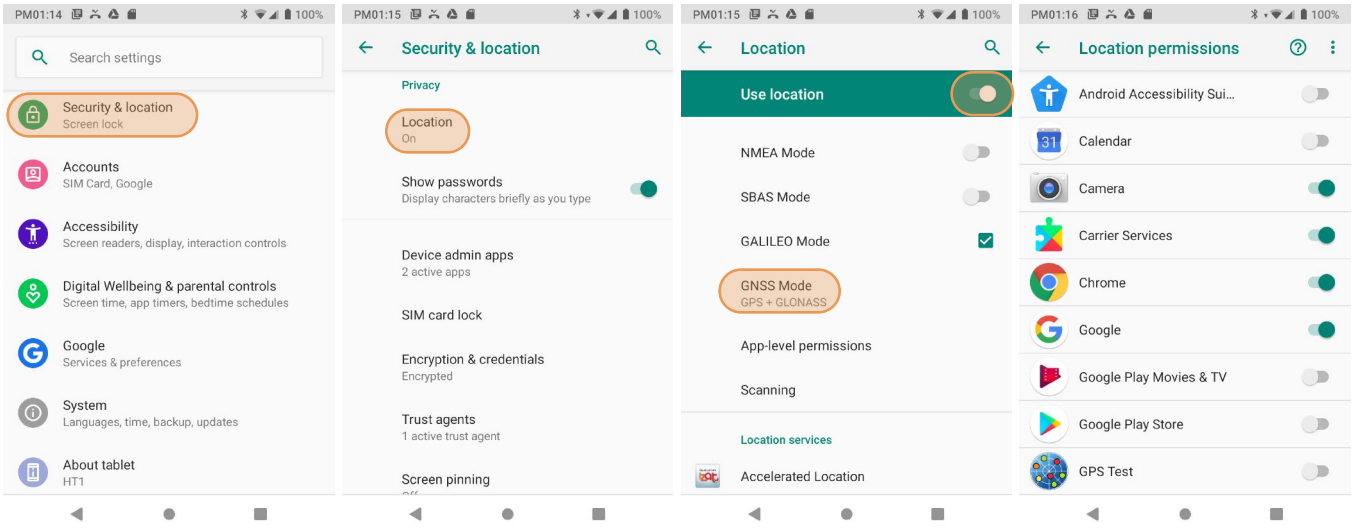
10

GPS

GPS and Location Services

Modern Android devices like the HT1 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.

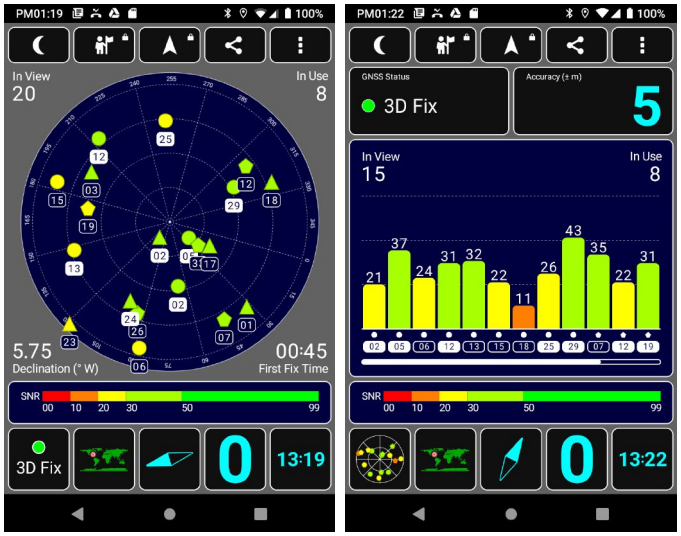
GPS and location services have become intertwined. Modern operating systems like Android increasingly regulate access via location and privacy settings, as well as by individual app. **Settings** > **Security & location** > **Location** allows turning location on and off for each app. **Settings** > **Apps & notifications** > **See All Apps** lets you 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.

In the example to the right, the **GPS Test** app downloaded from the Google Play Store was given full location access.



11

User Applications

Google Play Store

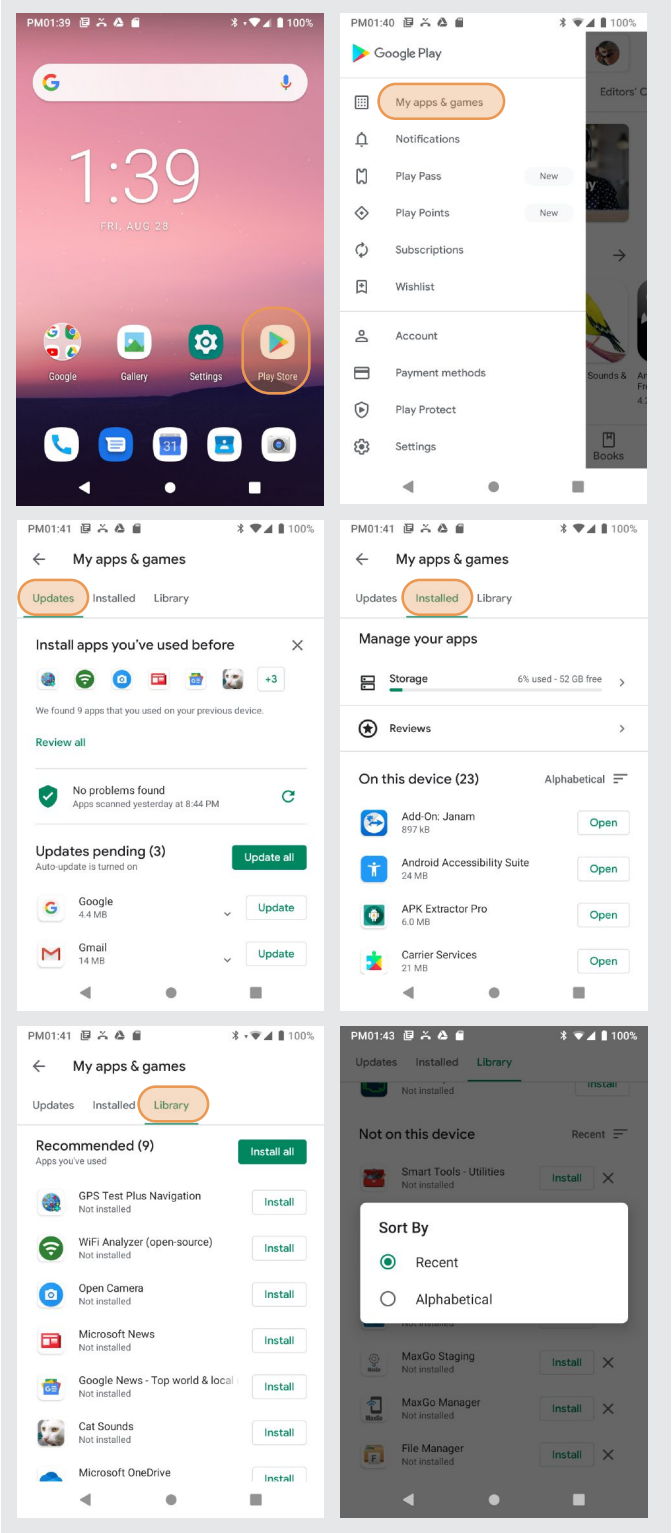
Applications can be found in the Google Play Store. To go to the **Play Store**, tap on the Store icon on the **Home Screen**, or locate the Store app in the **Apps Screen** and tap on it.

Note that in order to download/buy apps from the Google Play Store, you must have a Google account.

My Apps & Games listing

The Google Play Store records all user purchases and downloads made on any Android platform while being logged in their Google account in **My Apps & Games**. This means that purchases made by a user for another Android device are downloadable to the HT1 as long as the purchased app supports the HT1's hardware and software.

You can elect to list **updates** information to apps you purchased, show apps **installed** on the device you're currently using (sorted alphabetical, last updated, last used, or size), or apps in your **library** of apps that are not installed on your device (sorted alphabetical or most recent).



Google Play Store Settings

General

Notifications

Receive notifications when an app update is available and when apps are auto-updated.

App download preference

Ask, over any network, or over Wi-Fit only.

Auto-update apps

Auto-update apps on/off or only allow auto-update when connected to Wi-Fi.

Auto-play videos

Always, only over Wi-Fi, or never.

Theme

Light, dark, or set by Battery Saver.

Clear local search history

Removes searches preformed on the HT1.

User Controls

Parental controls

Toggle to ON to bring up the parental controls setting screen.

Require authorization for purchases

Set authorization requirements to all purchases, every 30 minutes, or never.

Google Play instant

Some apps can be used without actually installing them; here you can allow that.

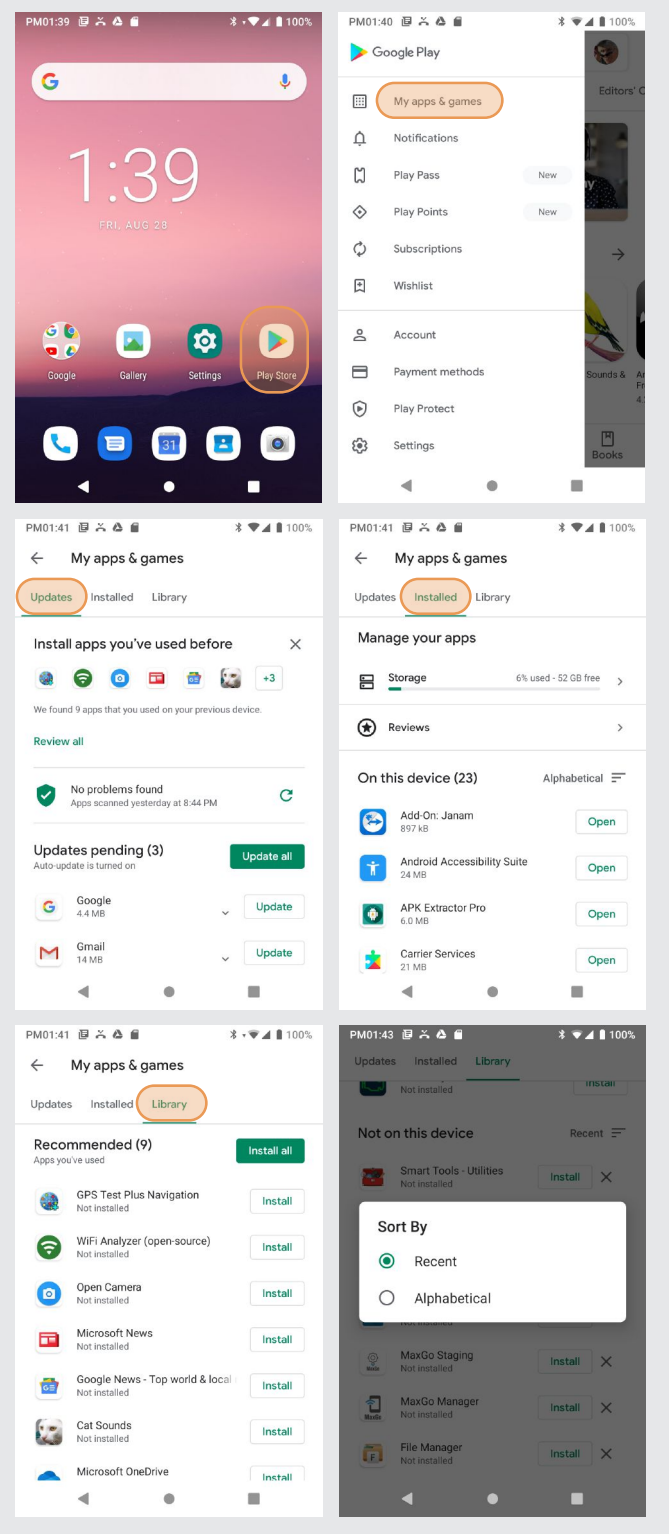
Uninstalling Apps

Android apps can be uninstalled by going to **Settings** > **Apps & notifications**, then tap on the app to be uninstalled.

Access and User Restrictions

There are settings and applications that allow administrators to control what apps are available to users.

Android devices can be configured to run in "kiosk mode" with just a single application that is active. Systems integrators or IT personnel can configure units for specific use and applications, eliminating the temptation that comes with a full load of consumer apps.



12

System Update

Wireless or local update

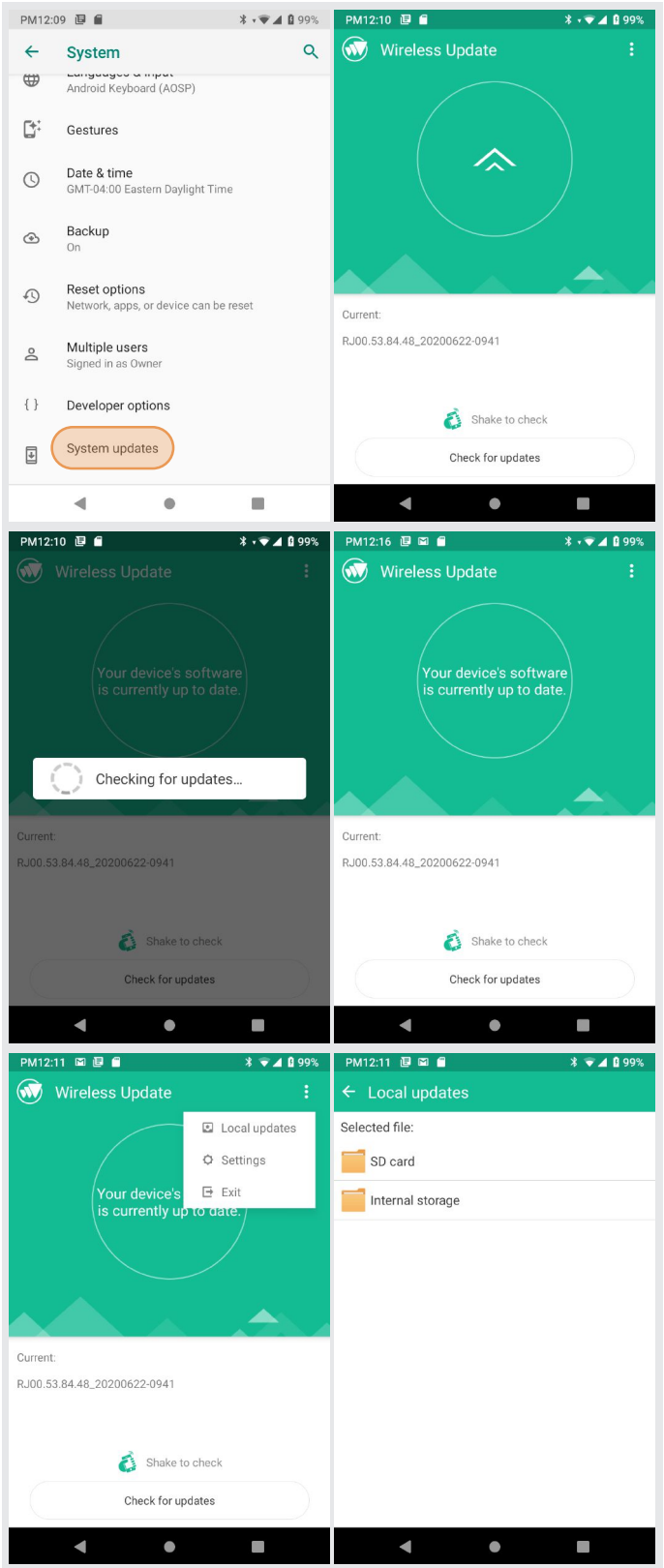
Unlike apps, firmware is permanent software that resides in a computer's read-only memory. Firmware operates in the background and makes sure the hardware runs properly.

Manufacturers may update firmware to address problems and improve functionality. Firmware Over-The-Air, or "FOTA," is a way to wirelessly update the firmware of a mobile device by the manufacturer. The HT1 supports Firmware Over The Air (FOTA) wireless updating.

To see if a new firmware version is available for your HT1, go to **Settings** > **System** and then tap **System Updates.** The system will check for updates and then report if everything is up-to-date or whether a newer version available.

The pop-up menu in **Settings** > **System** > **System Updates** allows configuring the HT1 for automatic checking for updates, updating via Wi-Fi only to save wireless data costs and automatic downloading over Wi-Fi networks.

Local updates can be stored internally or on a SD card. If a system update is delivered this way, select the appropriate update file.



13

Janam HT1 Specifications

TECHNICAL	
Operating System	Android 9 (Pie) with Google Mobile Services (GMS); OS upgradeable; Android Enterprise Recommended
Processor	2.2GHz Octa-core Qualcomm Snapdragon™ SDM625 processor, Adreno 506 GPU
Memory	4GB LPDDR3 RAM/64GB eMMC Flash
Expansion	User-accessible microSD card slot with SD and SDXC support
Power	8200mAh rechargeable and hot-swappable Li-ion battery
PHYSICAL	
Dimensions	9.25” L x 5.74” W x .57” D / 235mm L x 146mm W x 14.5mm D
Weight	22oz / 645g including battery
Display	8.0-inch HD (1280x800) with Corning Gorilla Glass 3, 283 ppi, 400+ nits
Touch Panel	Capacitive multi-touch screen
ENVIRONMENTAL	
Operating Temperature	-4º to 140º F / -20º to 60º C
Storage Temperature	-40º to 158º F / -40º to 70º C
Humidity	Non-condensing, 95%
Drop	Multiple 4ft / 1.3m drops to concrete on all sides across a wide temperature range per MIL-STD-810G and MIL-STD-810F
Water & Dust	IP67
Electro Static Discharge (ESD)	+/- 15kV air; +/- 8kV contact
INTERFACE FEATURES	
Audio	3.5mm headset jack; 2 speakers; microphone
Alerts	Vibration; LED indicators
Connectors	USB-C; Pogo Pin industrial connector
LED Indicators	Dual-color LED indicators
External Buttons	8 hard keys (home; menu; back button; 2 custom, volume up/down, power)
DATA CAPTURE	
Imager	High-performance 1D/2D imager (optional)
RFID/NFC	Reads ISO14443 Type A; ISO14443 Type B; IEC15693
WIRELESS COMMUNICATION	
WWAN	GSM: 850/900/1800/1900; TD-SCDMA: B34/39 WCDMA: B1/2/5/8; CDMA/EVDO: BC0; LTE FDD: B1/2/3/4/5/7/8/12/13/17/20/25/28; LTE TDD: B38/B39/B40/41
WLAN	Dual-band 802.11a/b/g/n/ac
Security	IEEE 802.11n; WEP; WPA/WPA2 Personal (TKIP, AES); WPA/WPA2 Enterprise (TKIP, AES); PEAP(MSCHAPv2, GTC): TLS; TTLS (PAP, MSCHAP, MSCHAPv2, GTC); PWD; SIM; AKA; AKA’, LEAP
WPAN	Bluetooth Class 1 4.1 (BLE)
MOBILE APPURTENANCES	
Motion Sensor	Accelerometer; Light Sensor; Proximity Sensor; Digital Compass
GNSS	GPS supports GLONASS
Camera	13.0MP color rear-facing autofocus camera with user-controllable LED flash and 5.0MP front-facing camera
ACCESSORIES	Desktop charging cradle kit, handstrap, vehicle cradle
SAFETY/REGULATORY	
Safety	IEC60529:2013; IEC68-2-32:1990; GB4208-2008; GB/T2423.8-1995
Radio	FCC; CE; IC; RCM; MIL-STD-461F
Environment	RoHS; REACH and WEEE compliant

14

Regulatory and Maintenance

HT1 Rugged Tablet Regulatory Information

Copyright 2020 Janam Technologies LLC. All rights reserved.

Janam and the Janam logo are trademarks of Janam Technologies LLC. Other product and brand names may be trademarks or registered trademarks of their respective owners.

Janam Technologies LLC assumes no responsibility for any damage or loss resulting from the use of this guide. Janam Technologies LLC assumes no responsibility for any loss or claims by third parties which may arise through the use of this product. Janam Technologies LLC 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.

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 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

CE 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.

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

HT1 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, February 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 D03 v01 • KDB941225 D07 v01r01
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

HT1 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 dissemble, 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.

15

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.