Version 1.4 February 2021

GT8 Terminal
User Guide

Disclaimer

Grosvenor TECHNOLOGY

www.grosvenortechnology.com

Contents

Contents

Contents

Software

- Operating System Android 10.0
- Supports native Android and HTML 5 Apps
- Remotely upgradeable/configurable

Important Note:
Menus and options will vary depending on the hardware options supplied and software version installed. Please refer to additional instructions supplied with your terminal for additional information.

Certifications

The GT8 has been certified for use in the following markets

- Europe CE Certification
- USA FCC, UL 62368-1

In addition, the clock has been certified to comply with the requirements of the CB certification authority which may meet compliance requirements in their member countries. For further information regarding CB certification please see www.iecee.org/dyn/www/f?p=106:40:0 , or discuss with Grosvenor Technology's professional services team.

If the GT8 is intended to be used in countries other than those listed above, please contact Grosvenor Technology's professional services team to discuss how we can assist with certification.

Battery Life

The GT8 terminal is fitted with a Lithium-Ion battery which typically has a service life of between 2 to 3 years. In order to ensure the continued reliable operation of the back-up battery function we recommend regularly checking the condition of the battery and replacing it when it has reached the end of its service life.

The GT8 is also fitted with a button cell type battery on the main PCB to maintain the real-time clock (RTC) of the device when power is removed. This battery typically has a service life of around 10 years. The battery should only be replaced by suitably qualified engineers and care should be taken to avoid damage to the PCB caused by ESD (ElectroStatic Discharge). Replacement batteries must be of the same type as the original, and the old battery should be disposed of in accordance with local regulations.

Care should be taken when recycling the terminal to ensure that the batteries are removed and recycled in accordance with local regulations/legislation.

Maintenance

The GT8 terminal does not require any regular maintenance during its service life.

It is however recommended that periodically (once every 6 months) the condition of the battery should be checked to see if there are signs that it's reaching the end of its life. Occasionally, the battery may start to swell towards the end of its life, if this is noticed, the battery should be replaced (Part Number: EM-BB-2HR-A).

Cleaning

Cleaning of the outside of the terminal can be undertaken at intervals appropriate to the environment that it is being used and the frequency of use. In all cases it is recommended that the surface of the clock is wiped with a lint free cloth that has been dampened with up to 70% isopropyl alcohol. We do not recommend spraying liquids directly onto the surface of the clock as this could potentially cause damage to the electronics. Particular care should be taken when cleaning the display and biometric devices to prevent damage.

Installation Safety

The GT8 clock should be installed in accordance with the instructions documented in this user guide. The clock should be installed in compliance with any Health and Safety legislation and it is recommended that any electrical or network connections to the clock are undertaken by a suitably qualified engineer.

The GT8 clock is designed to be installed indoors only with a normal ambient operating temperature between 0-35 Deg C (32-95 Deg F).

Care should be taken when installing the clock to ensure that it does not present any possible hazards to people or property within its vicinity. The clock should be installed at a height that ensures compliance with any local disability legislation

WEEE

In accordance with EN 50419 the GT8 clock must be disposed at the end of its life by returning to a designated recycling organisation for waste electrical and electronic equipment as defined within the WEEE directive. The clock must not be disposed of in normal domestic waste.

Batteries should be carefully removed from the clock prior to disposal taking care to prevent short-circuits, crushing or damage to the battery housing.

About the GT8 Terminal

GT8 is more than just a next generation time and attendance terminal - it's designed to open up a world of possibilities for wider integration with Human Resources Management Systems (HRMS) and a myriad of potential new applications beyond workforce management.

About this Guide

This User Guide is intended for users who will be responsible for installing and configuring the GT8 terminal.

This guide was written with the following firmware, application and optional modules installed.

- Firmware: v2.0.0
- Application: GTEasyClock v2.0.0
- RM-LUM-M320-GT8 Fingerprint reader
- RM-HID-B Prox/card reader
- CM-WIFI-M2-22 Wi-Fi module

Related Documents

You should also refer to the following documents, available from Grosvenor Technology:

- GT API Reference Manual - This document is targeted at software developers writing Android applications for the GT8 terminal.
- Application User Guide - Relevant to your application.

Technical Support

Technical Support can be obtained from Grosvenor Technology from the following points of contact:

Europe, Middle East and Africa

Phone: +44 (0)1202 627611
E-mail: HCM-EMEAsupport@grosvenortechnology.com
Website: www.grosvenortechnology.com

North America

Phone: +1 800.989.5197
E-mail: HCM-USsupport@grosvenortechnology.com
Website: www.gtclocks.com

Hardware Specification

Display

- 8 inch full colour capacitive multi-touch display with toughened glass for use in high traffic environments
- 16:10 aspect ratio, 1280 x 800 pixel resolution
- A separate glass inlay, below the display, provides the capability to customise the terminal with backlit corporate branding

Processor

- 1.6GHz Quad Core

Operating System

- Android 10.0

Input / Output

- 4 + 2 Internal USB 2.0 ports

- Facial recognition

A choice of optional input/output accessories are available, including:

- Suprema SFM Slim
- Lumidigm M320
- Expanded fingerprint database of 10,000+ using fast matching on clock algorithm
- Contactless smart card readers: Mifare, iClass SE, Feig and Multi-tech readers
- Proximity card reader: supports a range of readers, including HID Prox 125kHz
- Magnetic stripe card reader
- Barcode reader or external scanner: multi-format, Visible and IR
- I/O relay modules

Memory

- 3GB

Internal Persistent Storage

- 16GB high performance flash storage

Host Connectivity

- Ethernet: 10/100/1000MHz
- Wi-Fi: Intel dual band, dual stream 802.11ac (optional)
- Bluetooth (optional)

Power

- 12VDC ±5%
- Power over Ethernet Plus (POE+) 802.3at
- Internal lithium ion battery, up to 2 hours backup

Hardware Specification

Operating Temperature & Humidity

- 0°C - 35°C (32ºF to 95ºF)
- 5-90% Non-condensing

Plug and Play Deployment

- Fast easy installation
- Easy to fit reader modules and peripherals
- VESA mount fixings

Integration

- Supports native Android and HTML 5 Apps
- Software Development Kit available

Sound

- Integrated stereo speakers
- Integrated microphone

Camera

- 5 Megapixel with front illumination; supports photo and video

Physical Security

- Metal wall-mount bracket with optional security fixing
- Optical tamper detection

Dimensions

- 216mm (H) x 206mm (W) x 78mm (D)
- 8.5 inches (H) x 8.1 inches (W) x 3.8 inches (D)
- Weight: 1.5Kg (3.3Lbs)

Sustainability

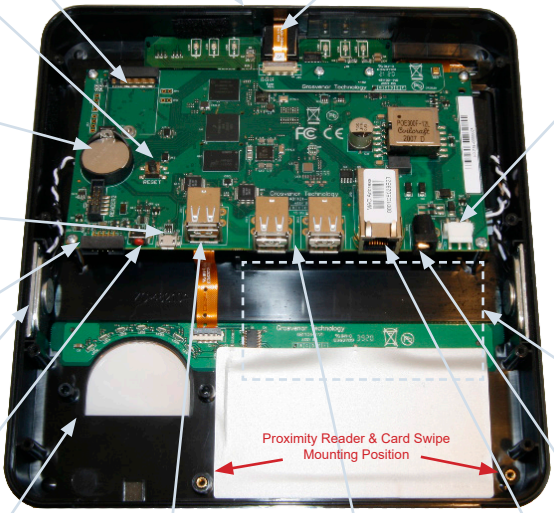
- 7-year design life
- Minimal footprint with industry-leading aesthetics

The GT8 Terminal can be customised by fitting a range of optional modules.

Reader Modules

125KHz Reader Module	RM-HID-B
iClass SE Reader Module	RM-ICLSE-B
Elatec MultiTech Reader Module	RM-ELATEC-B
Feig HI Reader Module	RM-FEIG-HI-B
Feig FC Reader Module	RM-FEIG-FC-B
Barcode Visible Red Reader Module	RM-BARV-B
Barcode Infra Red Reader Module	RM-BAR-B
Magnetic Stripe Reader Module	RM-MAG-B
RFIdeas MultiTech Reader Module	RM-RFID-B

Hardware Specification



JP4 Socket
Supports WiFi extension modules

Accessory Mounting

Camera Module

Reset Button
Initiates hardware reset, terminal will reboot. Accessible via hole in back cover (using straightened paper clip or similar).

RTC Backup Battery
Real Time Clock Backup Battery maintains time during power disconnection. 10 year life

Micro USB Connector
Debug/ADB port

Swipe Reader Module Connector
Reader Modules include
- Mag Swipe
- Barcode Swipe

Stereo Speakers
One each side

RECOVERY Button
To access the on-screen options menu for functions including Factory Reset.

Bio Module Location
SF Slim or Lumidigm

Battery Connector
For connection of the GTL Li-Ion Battery Pack

EM-BB-2HR-A
Provides up to 2 hour runtime

Battery backup may be used with all power options including PoE

Note: Units are shipped with battery disconnected. Please connect battery before first use (tuck wires into space at side of battery to avoid obscuring Power IN Connector.

Warning: Only fit battery pack specified, failure to observe may result in fire hazard

Battery Location
Dotted line

Power IN Connector (2.1mm)
12V DC External PSU (centre positive) 12V± 5% with minimum 2A capacity (refer to Power Loading for current calculation)

USB Connector
USB2 x 2, for connecting internal modules

USB Connector
USB2 x 4, for connecting external I/O devices

Ethernet Connector
10/100/1000baseT Full duplex, auto crossover, supports PoE+

Expansion Modules

■ IO Relay Module	EM-IO-RLY-B
■ IO External Reader Relay Module	EM-IO-ER-B
■ Temperature Module	EM-TM-B

Comms Modules

■ WiFi Comms Module	CM-WIFI-M2-22

Biometric Modules

■ Lumidigm Reader Module GT8	RM-LUM-M320-GT8
■ Suprema SF Slim Reader Module GT8	RM-SP-SFSLIM-GT8

Before starting the installation consider

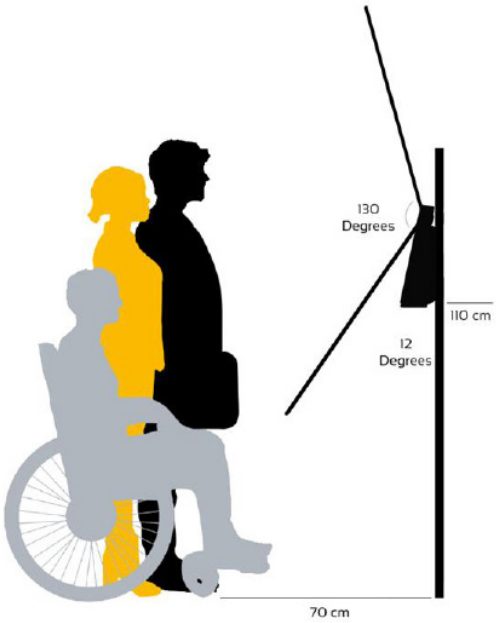
- Which power option is to be used - as this may influence cabling requirements, vicinity to power outlets and accessory modules required (refer to Power Options for GT8)

Fitting the Terminal

Location

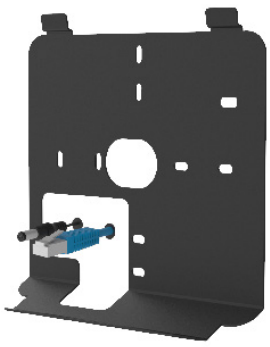
The Terminal should be fixed to a flat surface at a height that is comfortable for users to view and interact with the screen without glare from reflections and in a suitable level of ambient light. See diagram.

Note: Before fitting, please check local regulations such as disabled access when determining the height of the unit.

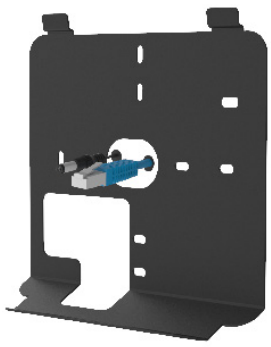


Cable Routing

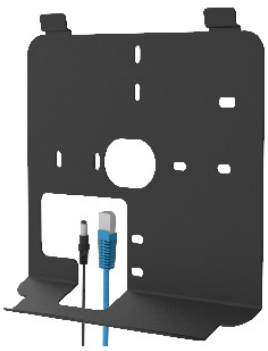
The GT8 provides a number of cable routing options as shown below. For ease of cable routing we highly recommend using the lower (larger) aperture where possible.



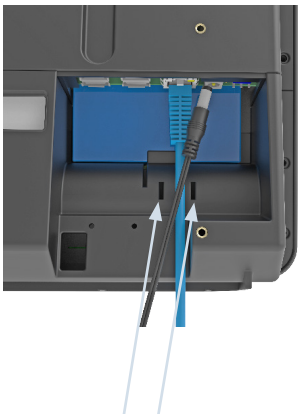
Lower aperture



Centre aperture



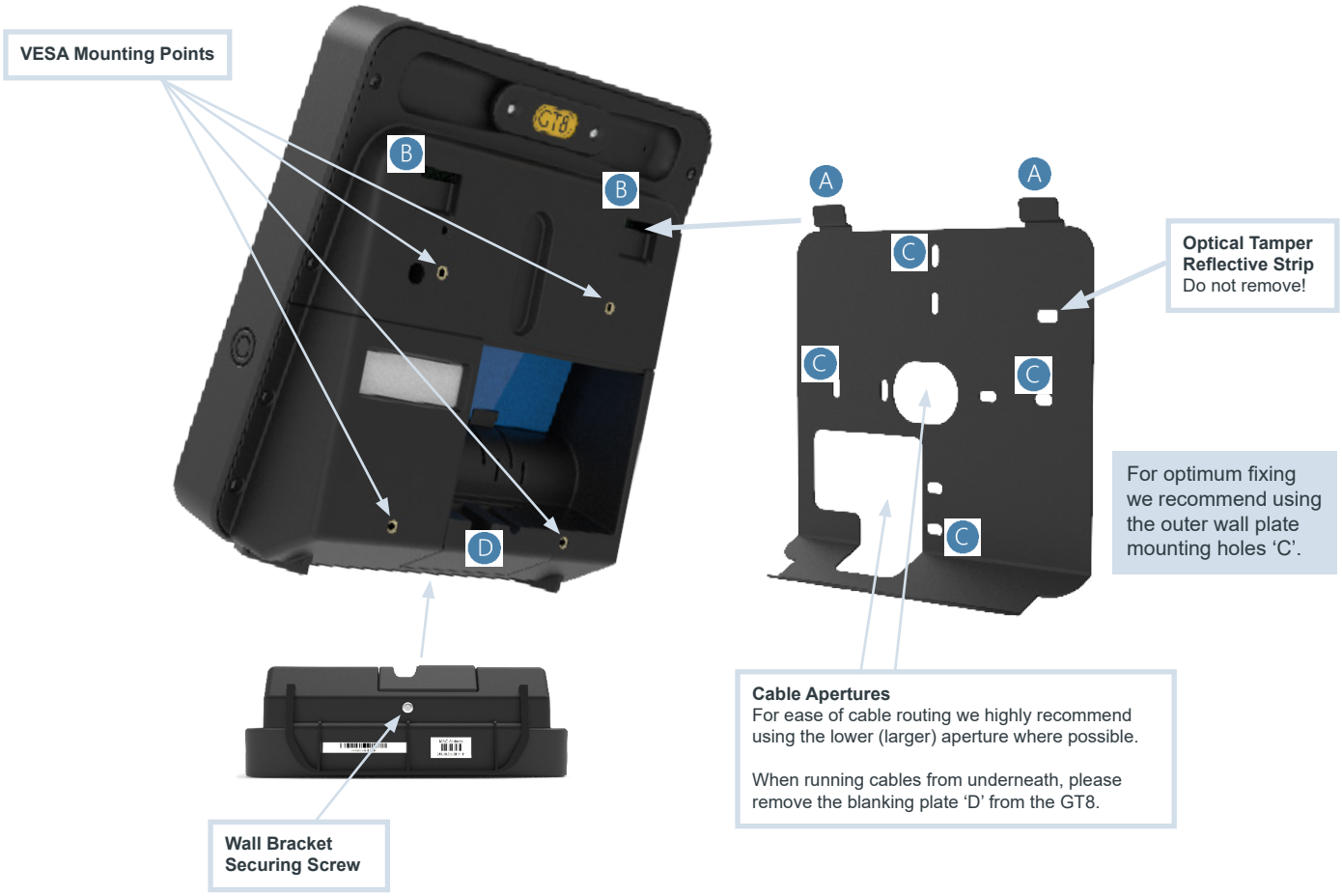
Cables routed from underneath



If required, cables may be secured using a cable tie looped through the two slots indicated above.

Fitting GT8 to Wall Bracket

1. Remove wall bracket securing screw to release wall bracket from GT8.
2. With the wall bracket against the wall, mark the 4 screw mount fixing points (C) and the preferred cable routing position.
3. Drill holes in the wall and mount the wall bracket with screws taking care to feed the cables through the bracket aperture.
4. Offer the GT8 unit close to the wall bracket and connect Ethernet and/or power cables.
5. Position the GT8 unit slightly above the wall bracket with its back parallel with the wall and make sure all cables are free to move.
6. Centralise the GT8 unit against the wall bracket and slowly lower the terminal by sliding it down the wall until metal tangs ‘A’ engage into slots ‘B’.
7. With the terminal fully down until it stops against the wall bracket re-fit the M4 screw in the base making sure to press the lower portion of the terminal into the wall to make sure it sits snug against the wall.



AC 110-240V via Adapter

The GT8 Terminal can be powered from an AC power outlet using an optional plug-top or wall wart power supply. Adapters include

- AE-PSU-PT-12VDC universal adapter with UK, Europe, Australia and US interchangeable AC plugs
- AE-PSU-NA-12VDC adapter with US AC plug

DC 12V

The Terminal can be powered from a suitable 12Vdc power supply with 2.1mm DC plug centre positive connected to the '+12V DC' power in jack. The supply should have a stabilised voltage output of 12VDC ±5% with minimum 2A capacity. The power supply should incorporate suitable overload protection.

The GT8 power indicator will show blue when power is supplied via the 12V power jack either with direct DC connection or with an AC power adapter.

Power over Ethernet PoE

The GT8 may be powered via the Ethernet cable with suitable upstream PoE+ switch or injector.

Supported standards

- IEEE 802.3at (PoE+) injector provides Terminal with 2000mA @12V

Note: PoE+ is recommended to ensure there is sufficient power available to support different configurations of the terminal.

When the GT8 is running from PoE the power indicator on the front of the Terminal will show green.

Battery Backup

As standard the GT8 is fitted with a backup battery (EM-BB-2HR-A) to run the Terminal should the normal power supply fail, providing up to 2-hours runtime.

When the battery pack is installed the terminal will continue to run when power is removed until the battery charge level reaches its lower threshold. The terminal may be shut down prior to battery exhaustion by using the 'Shut Down' option accessible through the launcher menu. Once shut down the terminal will remain off until power is restored. When in the shut down state there is very little draw on the battery and it can remain in this state for extended periods. For optimum battery life it is recommended that the battery is charged a minimum of every six months if the unit is in shut down for prolonged periods by applying power to the Terminal.

Charging of the EM-BB-2HR-A battery pack is managed by the GT8 terminal and depending on power source typical recharge time from 0% to 100% will range from 3 hours to 12 hours. Charging times will be extended in elevated ambient temperatures to protect the battery.

When the GT8 is running from battery the power indicator on the front of the Terminal will show red.

The EM-BB-2HR-A battery pack comprises a rechargeable li-Ion battery along with protection circuitry to prevent safety hazards caused by overload, over-charging or over-discharge.

WARNING: ONLY FIT BATTERY PACK SPECIFIED, FAILURE TO OBSERVE MAY RESULT IN FIRE HAZARD

A battery service life of 5-years is possible, although this can be affected by a number of factors, including: a prolonged period of storage prior to use, the number of charge/discharge cycles, and the battery operating/charging temperature. Grosvenor Technology recommend that batteries are inspected regularly for any signs of swelling which may indicate the battery has reached its useful life expectancy and should be replaced. We recommend that batteries are replaced every 3-years as regular maintenance and to ensure hassle free operation and a visual inspection of every battery at least once annually [as a minimum]. It is also recommended that hardware should utilise the latest firmware available as this may also contain the ability to improve battery performance.

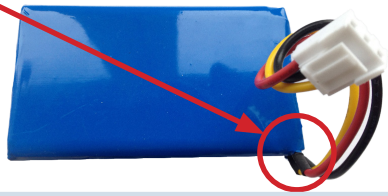
Battery Connector
For connection of the GTL Li-Ion Battery Pack

EM-BB-2HR-A
Provides up to 2 hour runtime

Battery backup may be used with all power options including PoE

Note: Units are shipped with battery disconnected. Please connect battery before first use (tuck wires into space at side of battery to avoid obscuring Power IN Connector)..

Warning: Only fit battery pack specified, failure to observe may result in fire hazard



Note: Position of battery cable connections.

Battery Retaining Clip
Ensure the retaining clip pops out to secure the battery

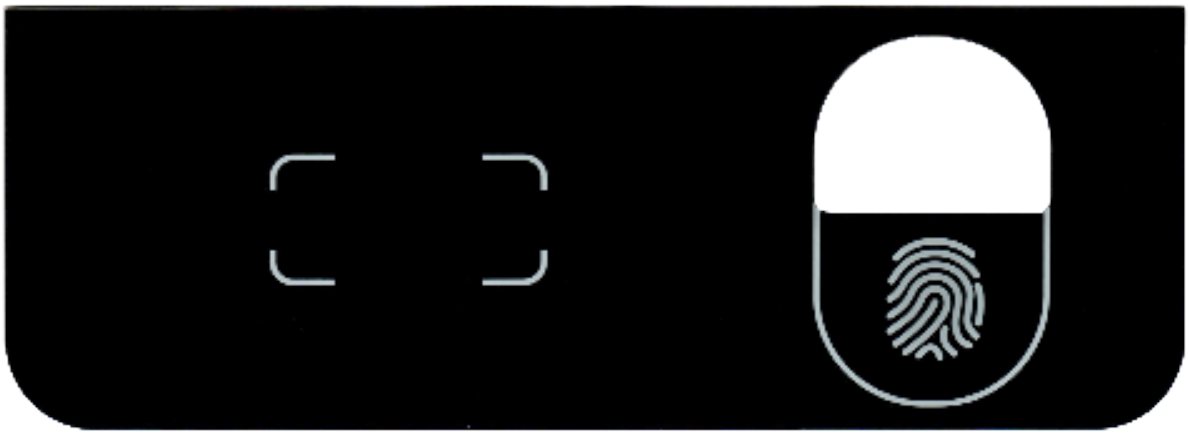
When fitting any optional modules place the terminal face down on a clean flat surface that will not scratch the glass front and remove the lower and upper rear covers. Remove battery, this is optional but generally makes the fitting of modules easier. Once the chosen modules have been fitted, refit the upper rear cover first, ensuring no cables are trapped, followed by the lower cover.

Tip: You may find it easier to refit the lower cover with the battery removed and then fit the battery afterwards, ensuring the battery retaining clip pops out to secure the battery in place.

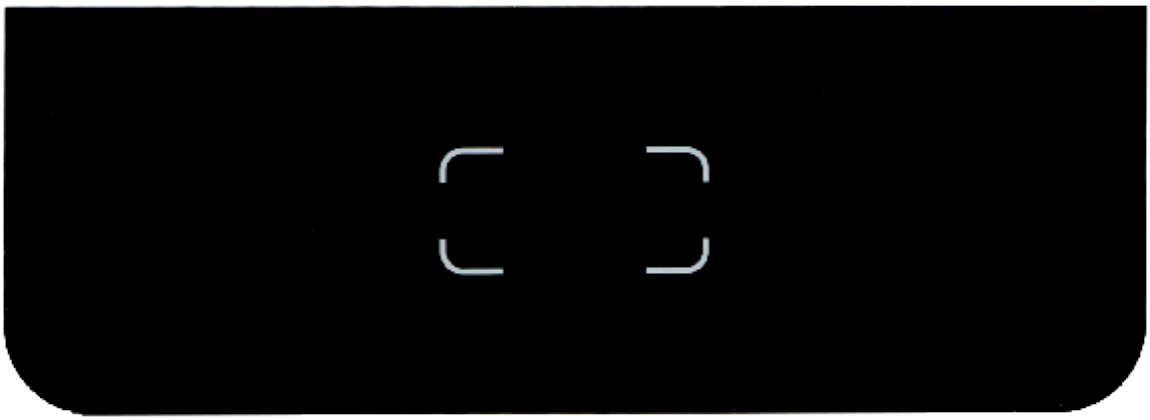
Front Plate

Depending on the option chosen the GT8 lower glass front plate may be either.

With fingerprint aperture.



Without fingerprint aperture.



Both versions may be (optionally) customised to include a company logo etc.

Warning: Once secured the lower glass front plate cannot be removed without damaging it.

Fitting Internal Fingerprint Reader Module

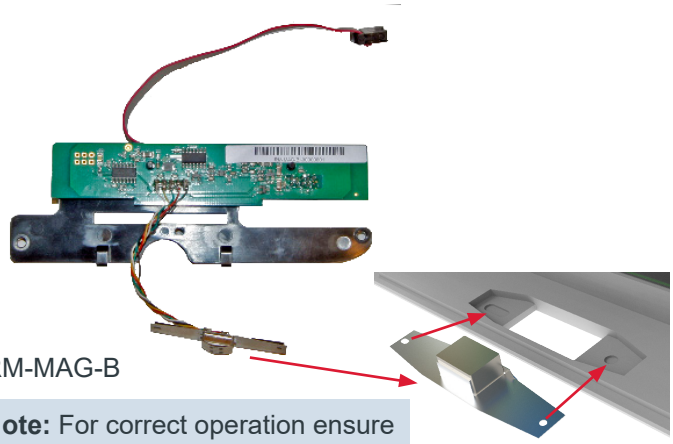
RM-LUM-M320-GT8

Note: The fingerprint reader module is normally a factory fit option only.

1. Remove lower cover.
2. Slide fingerprint reader module under the PCBA ensuring ribbon cable does not detach.
3. Secure with screws provided (do not over tighten).
4. Connect USB cable to one of the left-hand ports.
5. Replace lower cover (do not over tighten screws).

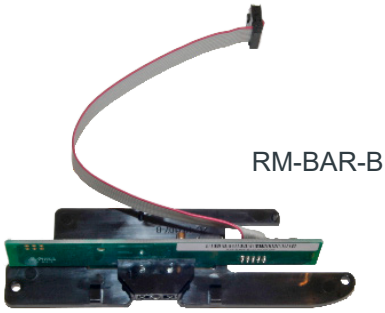
Fitting Proximity or Card Swipe Reader Modules

Note: Proximity and card swipe readers use the same mounting location, only one internal module may be fitted to the GT8 at the same time. When fitting swipe card readers ensure the reader head is located correctly in the aperture at the bottom of the GT8 before fully securing using the screws supplied.

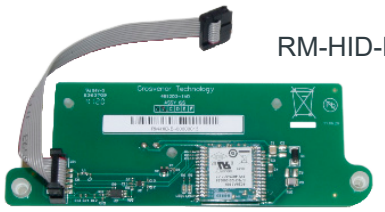


RM-MAG-B

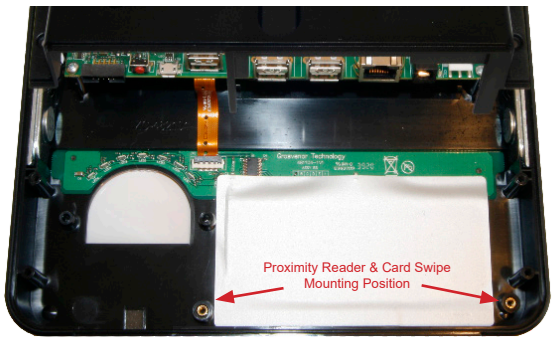
Note: For correct operation ensure the slot and hole in RM-MAG-B correspond to mounting location.



RM-BAR-B



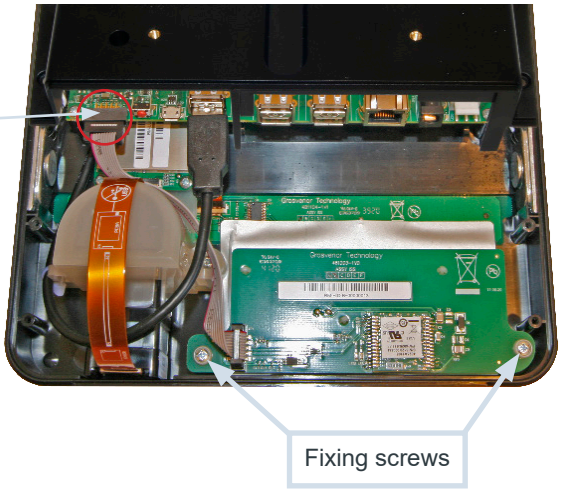
RM-HID-B



RM-HID-B in position with fingerprint reader fitted.

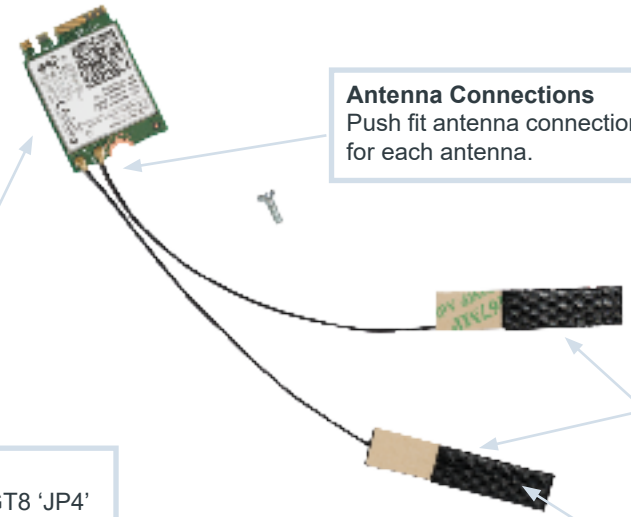
1. Remove lower cover.
2. Position proximity/card swipe module and secure with screws provided (do not over tighten).
3. Connect ribbon cable to connector on PCBA, circled right.
4. Replace lower cover (do not over tighten screws).

Note: To avoid undue stress on the cables, the ribbon cable should pass underneath the fingerprint USB cable (when fitted).



Fitting the Wi-Fi Module

CM-WIFI-M2-22



Antenna Connections
Push fit antenna connections for each antenna.

Wireless Antennae
Two antennae, one for each stream. Both antennae are duel band.

Wi-Fi Module Bus Connector
PCIe and USB connections to GT8 'JP4' socket. Observe key-way when fitting.

Antenna Fixing
Press hooked side to fabric on Terminal sides.

1. Position Wi-Fi module against the JP4 socket (at a vertical angle of approximately 45 degrees), observing key-way, and gently push in.
2. Secure Wif-Fi module with screw supplied (do not over tighten).

Tip: You may need to press down lightly on the module to make fitting the securing screw easier.

3. Applying light pressure, attach antennae to the fabric strips on the sides of the GT8 Terminal.

   (The fabric strips are attached during manufacture and are not supplied separately.)

JP4 Socket

Securing Screw

Antenna Fixing
Press hooked side to fabric on Terminal sides.

When the system is powered on, a bootloader runs which loads the Android operating system. This runs start-up scripts to set up and configure the terminal and to start enabled services.

Once the unit is fully booted, the initial screen gives you the opportunity to enter the Terminal Setup by pressing the cog icon on the launcher start-up screen as shown below.

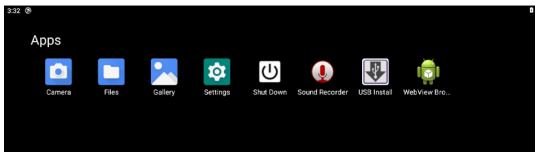
After a short delay the terminal will automatically proceed to run the installed application. If no application is configured to auto-start the Terminal will stay on the launcher start-up screen.

Note: If an application is installed but not configured the terminal continues to switch between the initial screen and the application set up screen.

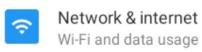
Terminal Setup Navigation

Navigating using the touch screen.

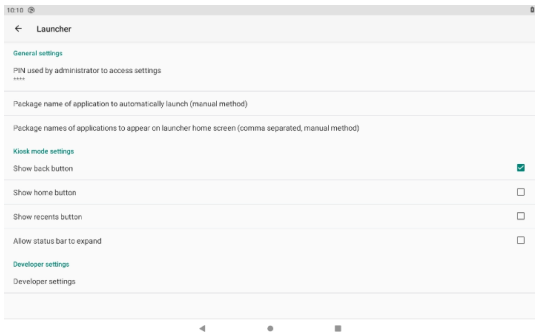
- Touch icon to open menu.



- Touch label text to open a menu item e.g.



This opens the item options menu e.g.



- To activate/deactivate a toggle switch touch it.

- To go back touch the back arrow displayed at the top left or bottom centre (location varies depending on menu item opened).

- To return to initial screen (from any screen) touch the circle button on the bottom menu.

Note: The square button (in the bottom menu) is reserved for future functionality and is currently inactive.

- Touch and drag your finger across/down/up the screen to scroll left/right or up/down to view hidden content.

Terminal Shut Down

When powering off the GT8 it is advisable to perform a shut down operation. The shut down utility will stop all processes and perform a graceful shut down allowing power to be safely removed.

Note: If power remains on the unit it will re-start after a delay.

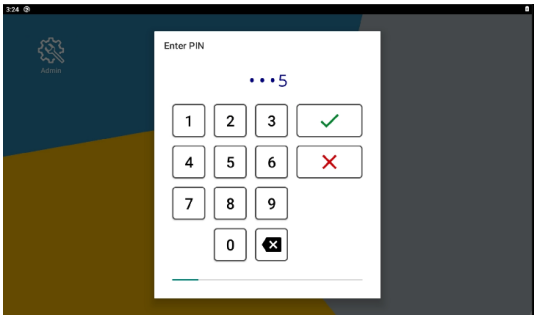
Note: The battery backup will continue to run the GT8 following a power failure until the battery capacity reaches its lower threshold, when the graceful shut down will be triggered. The unit will be powered off at the end of the process.

Note: The shut down utility allows the GT8 to be powered off without exhausting the battery. To power down the unit run the utility until the unit has completed its shut down then remove the power. If power is left connected the unit will re-start after a delay.

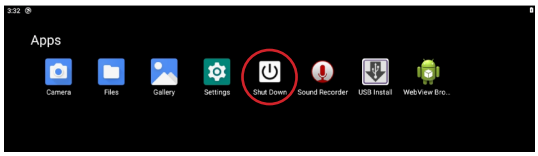
To trigger the shut down process or perform a re-boot.

1. Enter terminal set up (press admin icon)

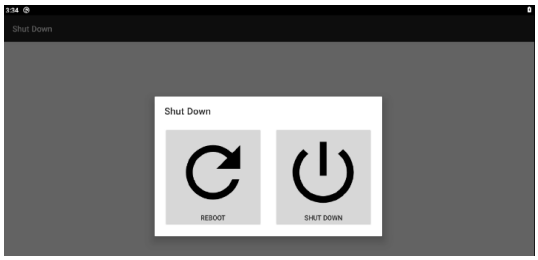
2. Enter PIN (the default is 1905)



3. Select shut down



4. Select shut down or reboot as required



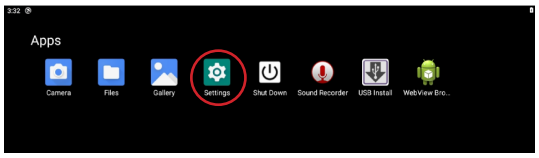
Note: To completely power off the terminal disconnect the power supply once the terminal has shut down (PSU and/or POE+).

Note: Terminal will not boot/reboot if running on battery only.

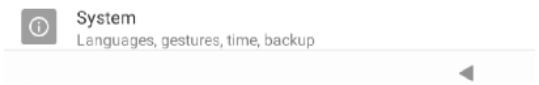
Software Reset

Android provides a mechanism for the user to remove installed packages and data from the device.

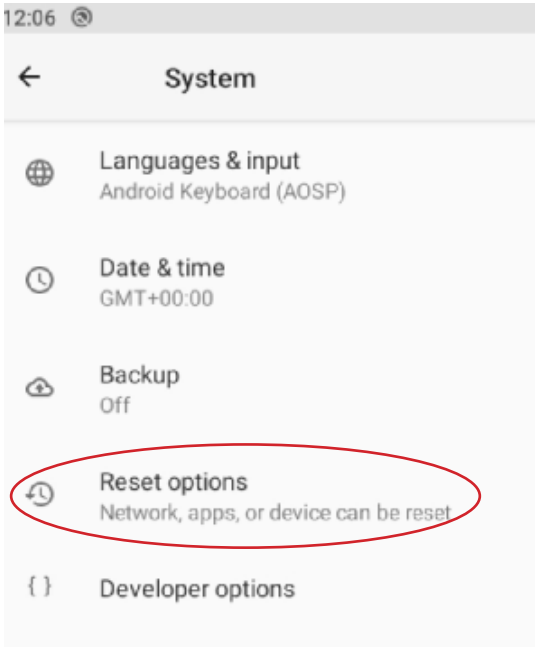
1. Select settings



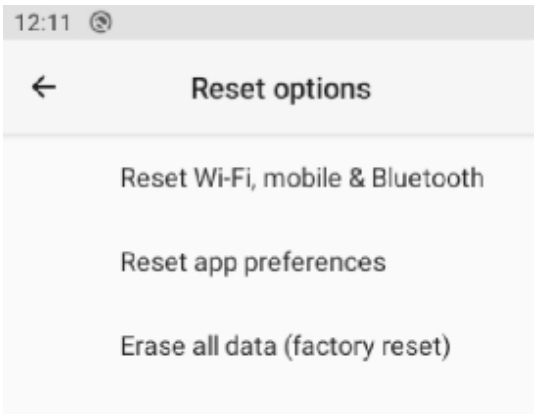
2. Select System



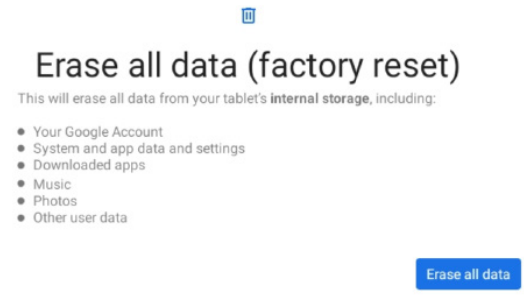
3. Select Reset Options



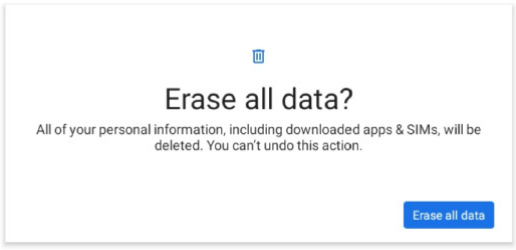
4. Select 'Erase all data (factory reset)'



5. Click 'Erase all data'



6. Click 'Erase all data' to confirm deletion



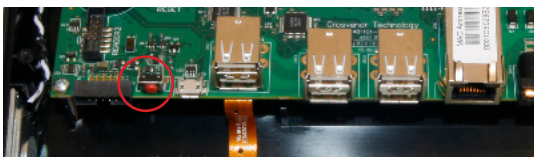
7. Terminal will restart after a few minutes with its factory settings and data erased.

Recovery Menu

The recovery menu can be accessed by pressing and holding the button marked "RECOVERY" whilst the terminal is powering up. When the Droid logo is displayed on the screen release the recovery button, then press and release (long press) the button again to display the menu. Once displayed the menu can be navigated by short and long presses on the recovery button.

- Reboot system now
- Wipe cache partition
- Wipe data/factory reset

The recovery button is found near the bottom edge of the main PCB (under the bottom rear cover) circled right.



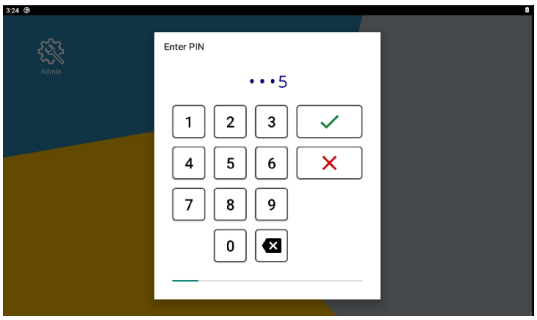
Accessing the Terminal Setup

Allow the Terminal to boot and select the ‘Admin’ icon. A PIN is required to enter setup mode, the default is 1905. From the Apps menu select ‘settings’ as shown below.

Note: If installed, the terminal will automatically load the application after a few seconds. If this happens you will need to restart the terminal to access the admin section.

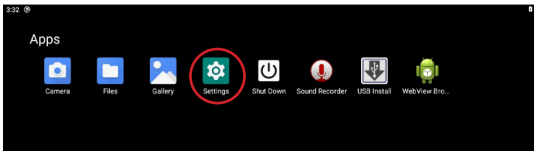
1. Enter terminal set up (press admin icon)

2. Enter PIN (the default is 1905)

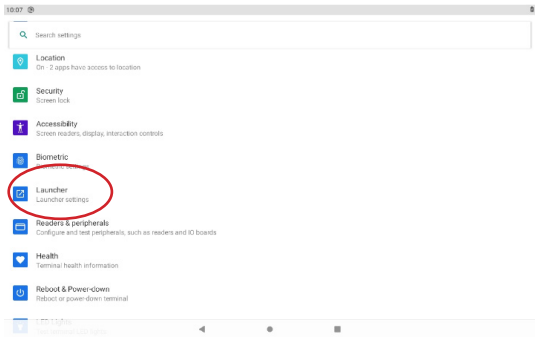


Note: The default PIN is 1905 however, it is recommended that this is changed since the default PIN appears in freely available documents. To change the PIN select the ‘Launcher’ item on the Setup menu.

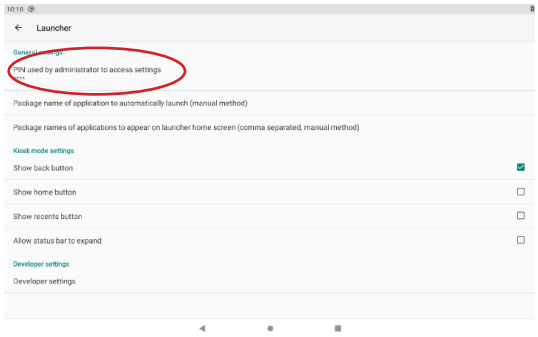
3. Select settings



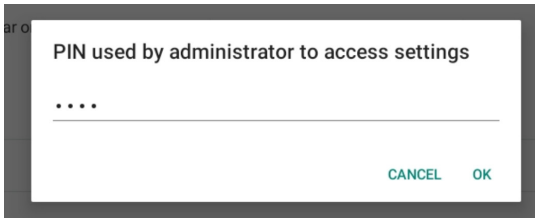
4. Scroll down to Launcher and select.

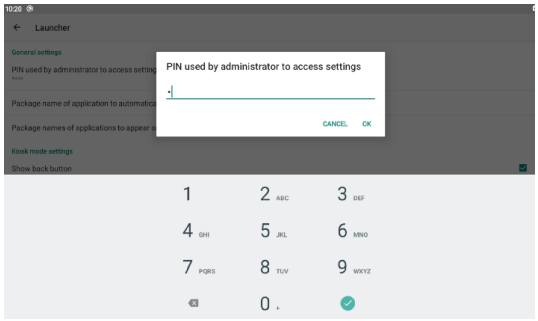


5. Select ‘PIN used by administrator to access settings’



6. Enter new PIN and click OK





Configuring Network Settings

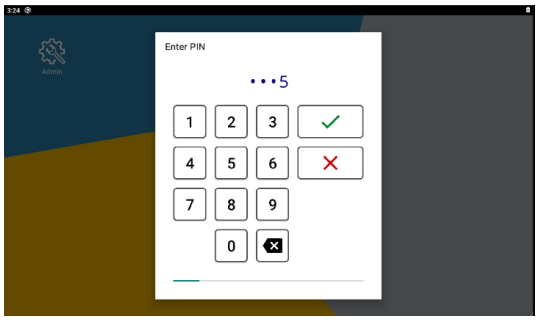
Wired network and Wi-Fi (when fitted) are configured through the settings menu. Selecting one of these items will open a further dialogue where the settings can be entered.

Note: When selecting Wi-Fi, wireless must be enabled to see available networks.

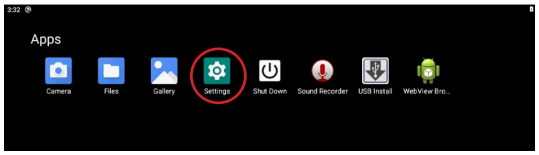
Enable and Configure Wi-Fi

1. Enter terminal set up (press admin icon).

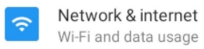
2. Enter PIN (the default is 1905).



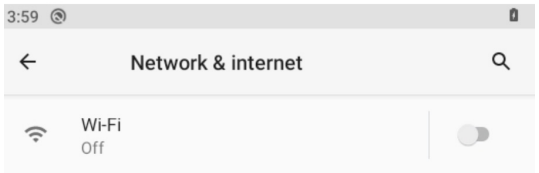
3. Select settings.



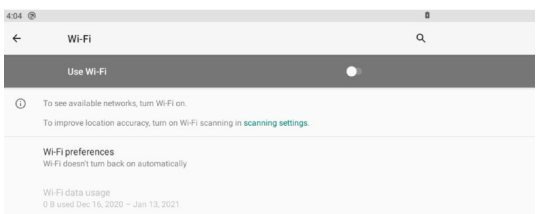
4. Select Terminal & internet.



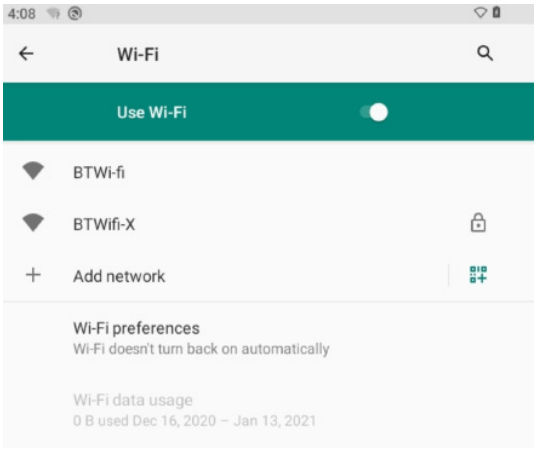
5. Click Wi-Fi option.



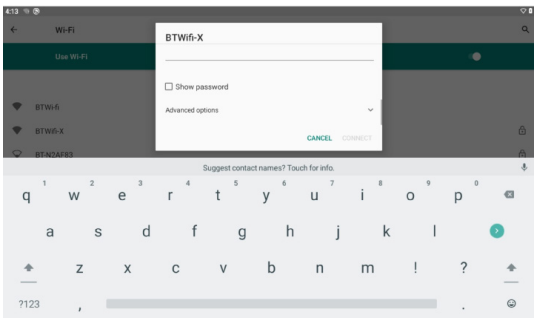
6. Click ‘Use Wi-Fi’ to toggle Wi-Fi on/off.



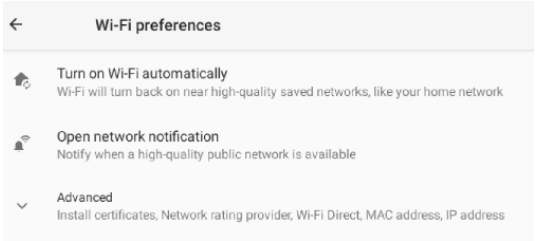
7. Toggle turns green and (after a few moments) displays available networks.



8. Select chosen network, enter details and click connect.



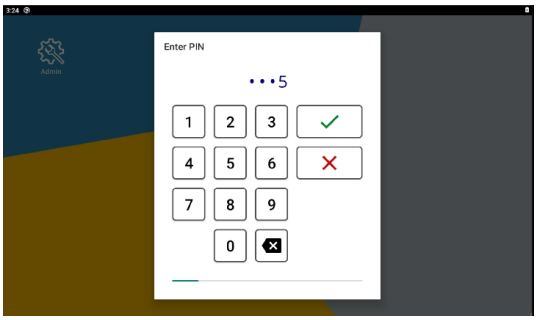
9. If the network you require is not listed select ‘Add network’ to add a network connection manually.
10. Select Wi-Fi preferences to configure automatic reconnection etc.



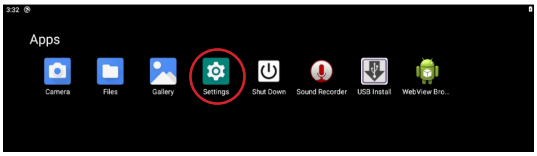
Configure Wired Networks

1. Enter terminal set up (press admin icon).

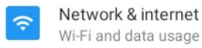
2. Enter PIN (the default is 1905).



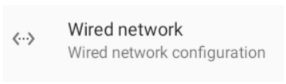
3. Select settings.



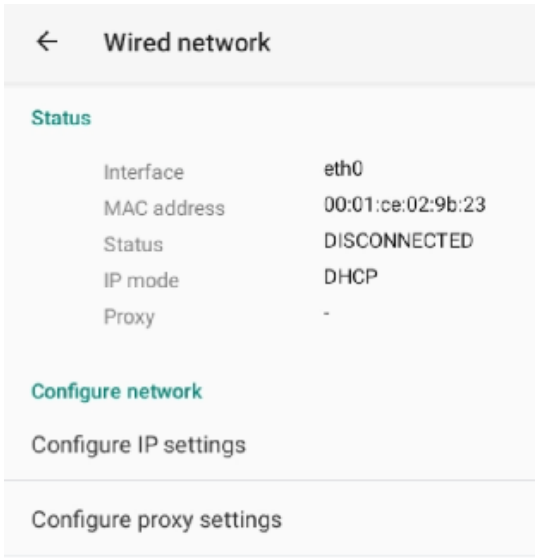
4. Select Terminal & internet.

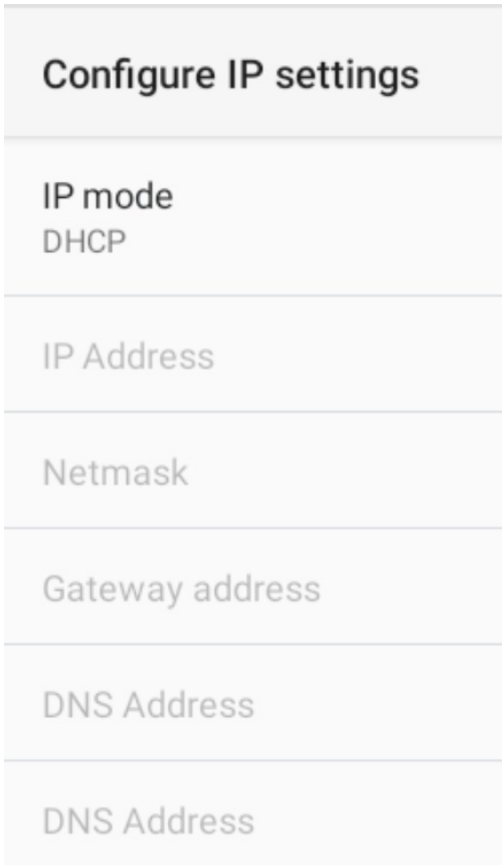


5. Click Wired network option.



6. Select required option and enter details as required.





Note: If using a VPN select the VPN option from the menu, click the plus (+) symbol at the top right of the next screen and enter your VPN details.

Configuring Readers

The GT8 can accommodate a wide range of reader types and credential formats. Setting up a reader has two elements.

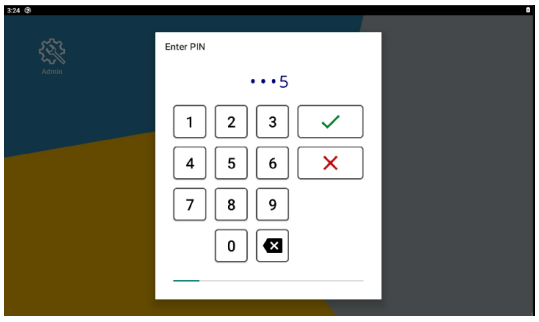
1. Reader Type - this relates to the reader hardware and its connection to the system e.g. proximity, Wiegand, magstripe, etc.
2. Decoder - this setting determines how the data is to be interpreted. This includes integral decoders that will present the application with the decoded card number or a 'rawbits' option to pass the raw data to the application which can then apply its own decode.

Both the reader type and the decoder can be auto detected and this is the default configuration. In most instances this will give satisfactory results however these can be manually configured if required.

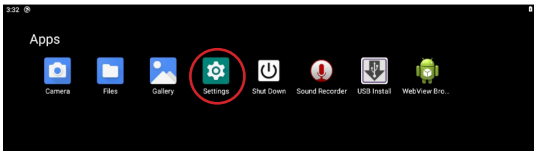
Readers are configured through the 'Settings' menu.

1. Enter terminal set up (press admin icon).

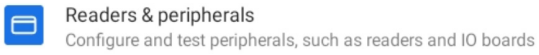
2. Enter PIN (the default is 1905).



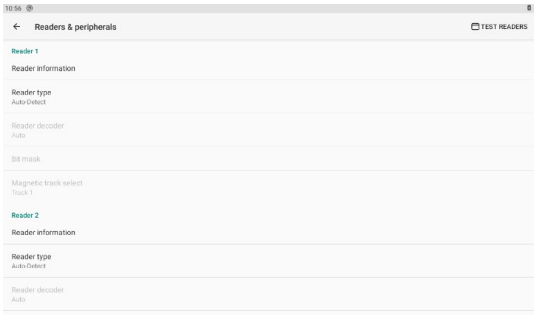
3. Select settings.



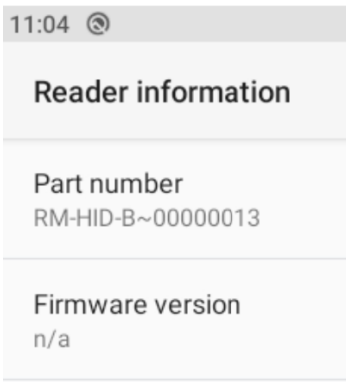
4. Select Readers & peripherals.

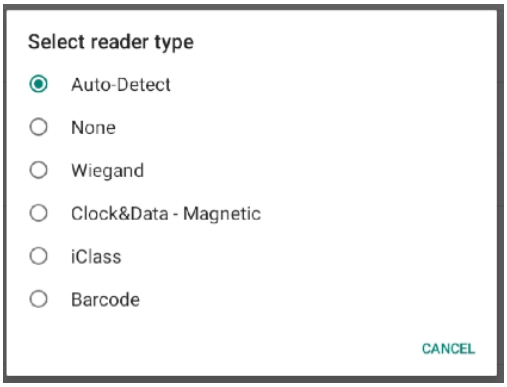


5. Select reader to configure it.



Depending on the reader type the options will vary. Readers are categorised as Proximity or Swipe, with subsections within each category for individual reader types. The example below shows the information for the RM-HID-B.





Wiegand Bitmask

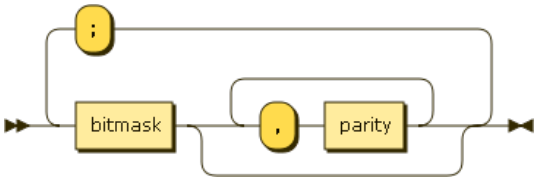
In addition to the standard fixed decodes for reader data a configurable bit mask can be applied to create custom decodes. Selecting 'Wiegand bitmask' as the decoder type will open a dialogue for the bitmask to be entered.

The following letters are defined for bitmasks.

Mask char	Description
S	Site code (Most Significant Bit (MSB) first)
B	Badge code (MSB first)
s	Site code (Least Significant Bit (LSB) first)
b	Badge code (LSB first)
0	0 expected
1	1 expected
P	Signifies parity bit (ignored here)
.	Bit is ignored
X	Bit is ignored

The characters "P", "." and "X" are all ignored when parsing bitmasks.

As the length of the bitmask has to match the number of bits, it is sometimes useful to be able to specify more than one bitmask. Also, Wiegand formats often contain parity information to validate the data. The bitmask decoder supports the following syntax for configuring multiple bitmasks with parity checking:



Parity Mask

The parity mask must have the same length as the bitmask. If more than one parity mask is specified, all have to pass for the decoder to be successful.

The following letters are defined for parity masks.

Mask char	Description
.	Bit is ignored
X	Bit to be counted for parity
E	Even parity bit
O	Odd parity bit

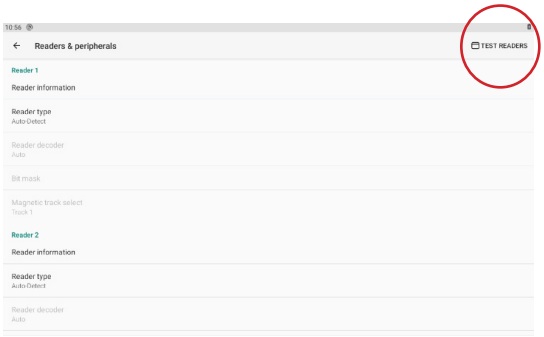
- X is used to count bits that are set (e.g. 1).
- E is used to specify the bit that should make the bit count even.
- O is used to specify the bit that should make the count odd.

It does usually not make sense to have more than one E or O per parity mask.

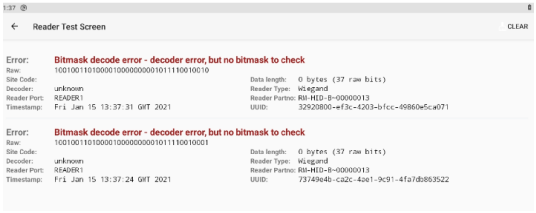
Testing Card Readers

The GT8 includes a utility to display the output of a reader to validate correct functioning and setup for readers. The utility is accessed from the 'Readers & peripherals' dialogue.

1. From the reader configuration screen select Test Readers.



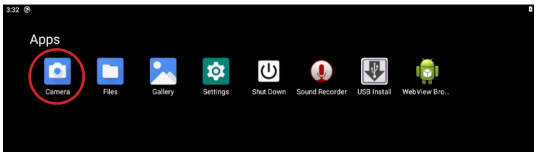
2. Present/swipe card as appropriate to view the information.



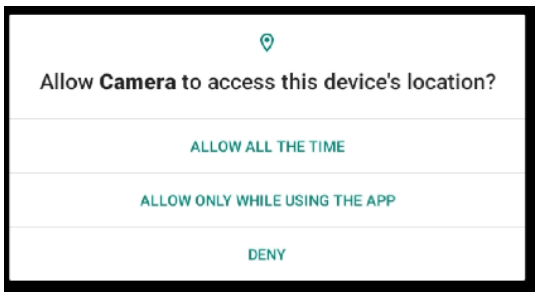
Testing the Camera

Selecting the Camera icon will enable the GT8's camera and a live picture will appear on the terminal display. There is a camera active indicator to the right of the camera which is lit when the camera is operating.

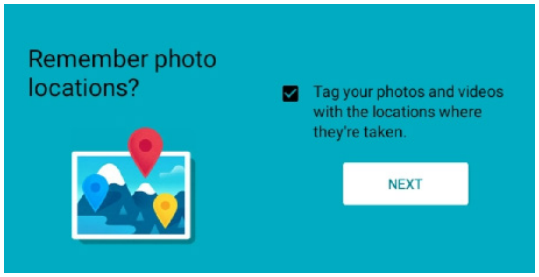
1. Select camera.



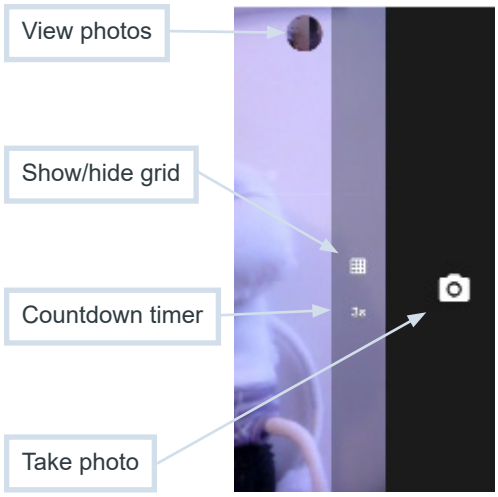
2. Select option



3. Select option and click next.



4. Camera options.

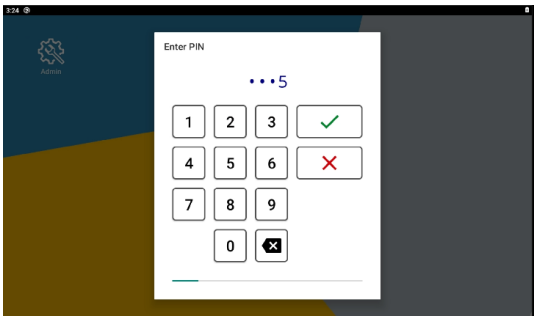


Testing Biometric Reader

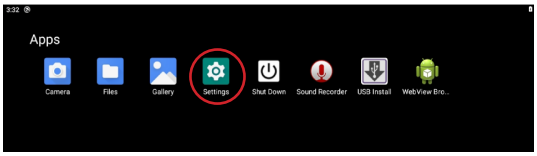
The GT8 includes a utility to display the output of a Biometric reader to validate correct functioning and setup. The utility is accessed from the 'Biometric' dialogue.

1. Enter terminal set up (press admin icon).

2. Enter PIN (the default is 1905).

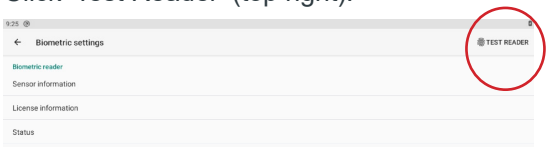


3. Select settings.



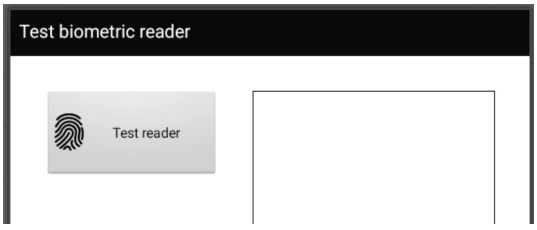
4. Select Biometric.

5. Click 'Test Reader' (top right).

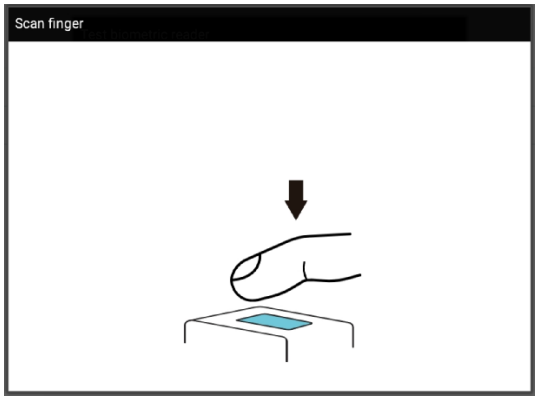


Note: Clicking the other menu items provides further information about the installed Biometric reader.

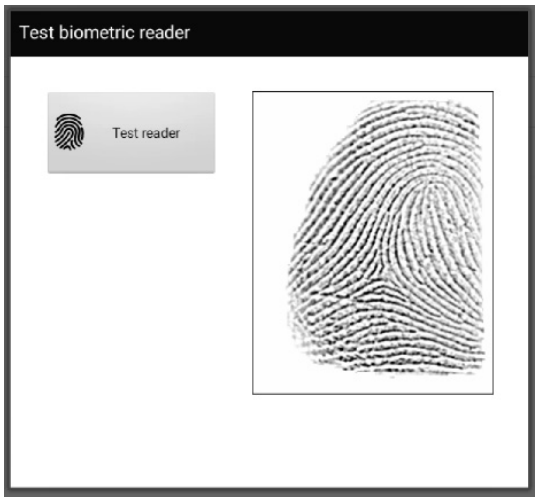
6. Click Test Reader



7. Place finger on reader as shown.



8. The test fingerprint is displayed.



9. Press Test Reader to retest if required.
10. Click anywhere outside of the test reader window to close.

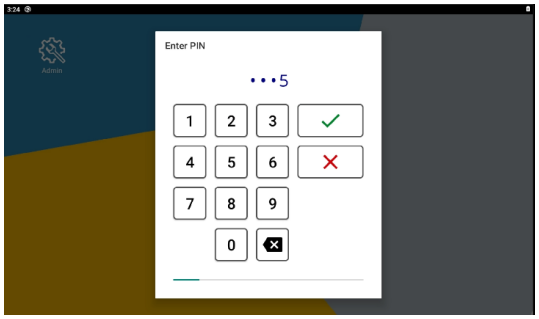
Note: Test fingerprints are not saved.

Terminal Health Information

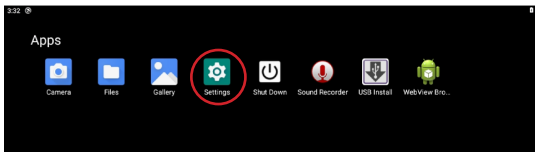
The GT8 monitors key elements of the system and can display their status, accessed by selecting health from the ‘Settings’ menu.

1. Enter terminal set up (press admin icon).

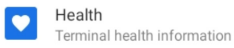
2. Enter PIN (the default is 1905).



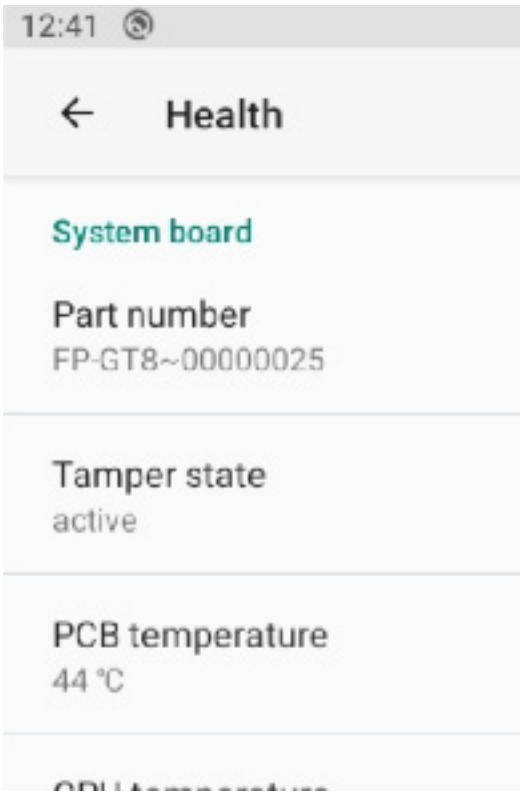
3. Select settings.



4. Select health.



5. Scroll down menu to review information.



Note: Depending on the item further information may be displayed by clicking on it.

Deployment is the process of setting up (or updating) the GT8 terminal with the required firmware, application and settings*.

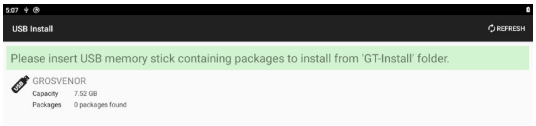
*If using a gt8-config.xml file, please refer to the user guide relating to your specific application for instructions on how to configure this.

Note: The deployment process will not downgrade already installed Android packages or firmware versions. For example, a firmware file on the USB device will be ignored, if the terminal is already running the same or a newer firmware version.

Deployment from USB memory device

1. Format a USB memory stick as FAT32.
2. Create a top-level folder inside the memory stick named “GT-Install”.

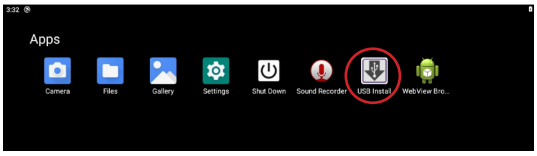
Note: The installer will only look for files in this folder. Any files outside of this folder will be ignored.



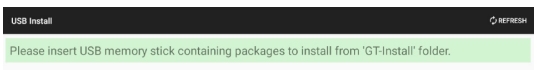
3. Copy the firmware and/or application files to the GT-Install folder.

Note: The supplied file must be copied to the memory stick as is with file structure intact. Do not unzip the contents of zip files.

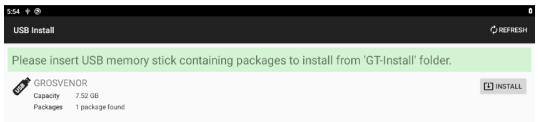
4. Properly eject the USB memory stick from your computer.
5. Start the “USB Install” utility (from the Apps screen) on the terminal.



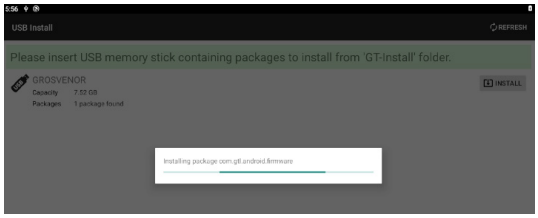
6. Insert the memory stick into an available USB port on the terminal.



7. This will automatically detect the memory stick and display an “Install” button.

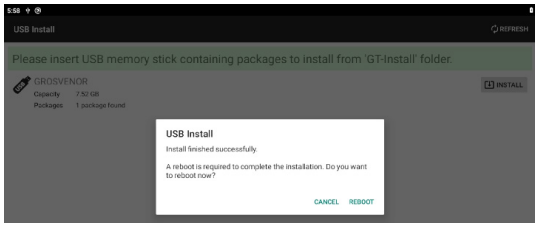


8. Click “Install” to complete the process.



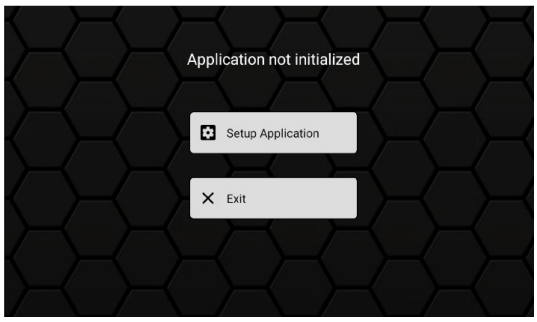
Warning: Only click “Install” if you wish to proceed. You will not be asked to confirm the installation and there is no option to quit. Once installation has commenced the process must be allowed to finish. This may take a few minutes.

9. If prompted click “Reboot” to complete the installation.

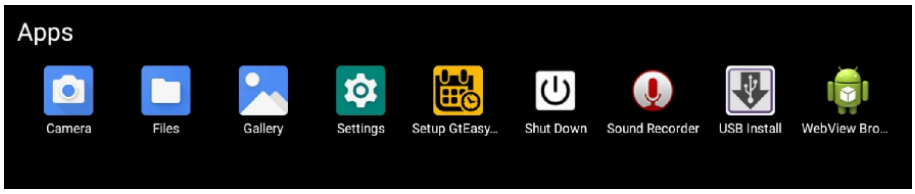


Application Setup

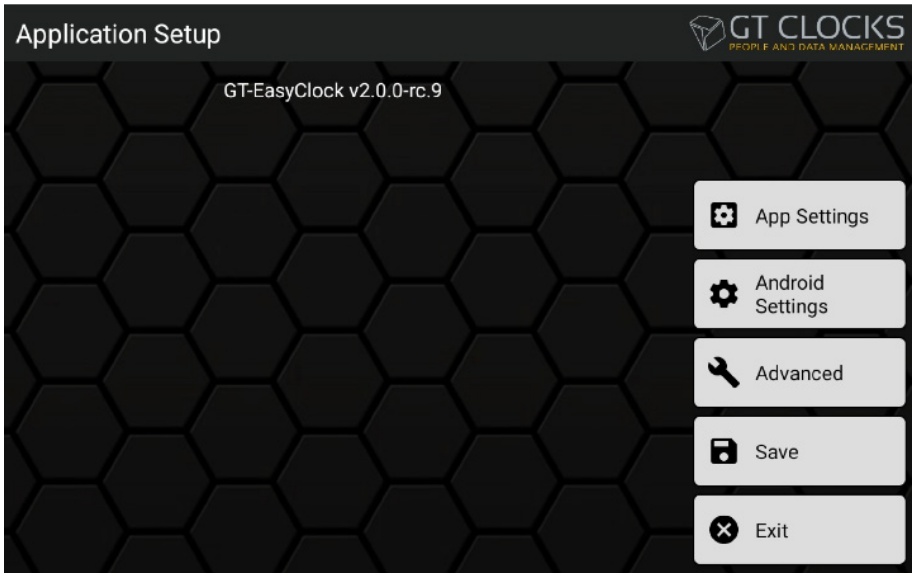
When the application is first installed it will require configuring before it is active/usable. Until this is completed the GT8 terminal will alternate between the “Application not initialized” and home screen (the home screen will now also display the application icon).



To configure the application select ‘Setup Application’ or click the application icon (the application icon is also displayed on the terminal applications window).



GTEasyClock set up menu.



Note: Please refer to the application user guide for specific instructions on how to configure your application.

It is important to follow these instructions carefully in order to prolong the life of the unit.

Maintenance Instructions

The terminal may be cleaned as often as necessary with any proprietary computer screen cleaning material.

- Pre-impregnated micro-fibre cloths or tissues are preferable. If spray products are used, take care to avoid run-off and do not allow any liquid to enter the terminal case.
- For a smear-free finish, polish with a dry, clean, lint-free cloth.
- DO NOT use any other janitorial products, acids, solvents, polishes or abrasives.

As long as the care instructions for the GT8 are followed, there is no need for regular maintenance of the device (other than the battery).


11:19:13 AM