Memor™ 1

Multi-Purpose Device for Retail

User's Manual

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Patents

See www.patents.datalogic.com for patent list.

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NOTES

Introduction

Conventions

This manual uses the following conventions:

"Device" and "Memor 1" refer to the Memor 1.

"Dock" refers to the Memor 1 Single Slot Dock Locking.

"3-Slot Cradle" refers to the Memor 1 3-Slot Cradle.

The label artworks may be only a draft. Refer to the product labels for more precise information.

Product Presentation

Memor 1 is your business companion for any data capture application, from assisted sales to the shop floor, or back-end receiving to the warehouse.

Memor 1, small in size, great in technology!

The Memor 1 device comes with a powerful Qualcomm® Snapdragon™ platform and features Android™ 8.1 (Oreo) with Google Mobile Services (GMS). This device is available in two form factors: a hand held version resembling a rugged smartphone and a pistol-grip version with a comfortable trigger for all day scanning. The robust black enclosure allows this device to be used in most any application.

Wireless Charging – Industry First

Memor 1 is charged using state-of-the-art wireless charging technology that eliminates the need for cleaning contacts on the device and docks. It radically reduces support costs and increases its reliability. The 3-slot dock along with multiple single slot dock options support both hand held and pistol-grip models providing maximum flexibility.

Boost and Fast Charging

Memor 1 requires less than 2 hours to fully charge the battery and the Boost Recharge allows use within minutes of charging. Six charging profiles are available to let the user decide the optimal battery performance for their application.

Voice Communicator

The Memor 1 device can also be used as a phone or PTT device using the Voice over Internet Protocol (VoIP), leveraging your Wi-Fi network for communications.

Features:

- Multi-purpose device: hand held or pistol-grip
- Android 8.1 (Oreo) with Google Mobile Services (GMS)
- Wireless charging eliminates all contacts on the device and dock
- VoIP or PTT phone capabilities over Wi-Fi
- Presentation mode allows hands-free scanning
- Datalogic's SoftSpot™ technology for innovative triggering through the touch display
- 3-Axis Accelerometer auto-rotates the screen orientation
- 4.3 inch capacitive multi-touch FWVGA display with Gorilla® Glass 3
- Vibration alert for notifications
- Advanced 2D imaging technology with image capture
- Datalogic's patented "Green Spot" technology for visual good-read feedback
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

Available Models

The Datalogic Memor 1 is available in different models depending on the features it is equipped with. All options are listed below.

Models for Europe:

- 944700001 Memor 1 Pistol-Grip, Wi-Fi, 2D Imager w/ white illum., Android 8.1 (NO GMS), Black, CE.
- 944700002 Memor 1 Handheld, Wi-Fi, 2D Imager w/ white illum., Android 8.1 (NO GMS), Black, CE.
- 944700023 Memor 1 Pistol-Grip, Wi-Fi, 2D Imager w/ white illum. Android 8.1 and GMS, Black, Europe/EEA Only.
- 944700024 Memor 1 Handheld, Wi-Fi, 2D Imager w/ white illum. Android 8.1 and GMS, Black, Europe/EEA Only

Models for USA, Canada, Mexico:

- 944700003 Memor 1 Pistol-Grip, Wi-Fi, 2D Imager w/ white illum. Android 8.1 (NO GMS), Black, FCC.
- 944700004 Memor 1 Handheld, Wi-Fi, 2D Imager w/ white illum. Android 8.1 (NO GMS), Black, FCC.
- 944700011 Memor 1 Pistol-Grip, Wi-Fi, 2D Imager w/ white illum. Android 8.1 and GMS, Black, FCC.
- 944700012 Memor 1 Handheld, Wi-Fi, 2D Imager w/ white illum. Android 8.1 and GMS, Black, FCC.

For further details about the Datalogic Memor 1 models refer to the web site: www.datalogic.com.

Out of the Box

The Memor 1 package contains:

- Memor 1 (device with battery included)
- Quick Start Guide
- Safety & Regulatory Addendum

Remove all the components from their packaging; check their integrity and compare them with all the packing documents.

Keep the original packaging for use when sending products to the technical assistance center. Damage caused by improper packaging is not covered under the warranty.

General View

Front View

Back View

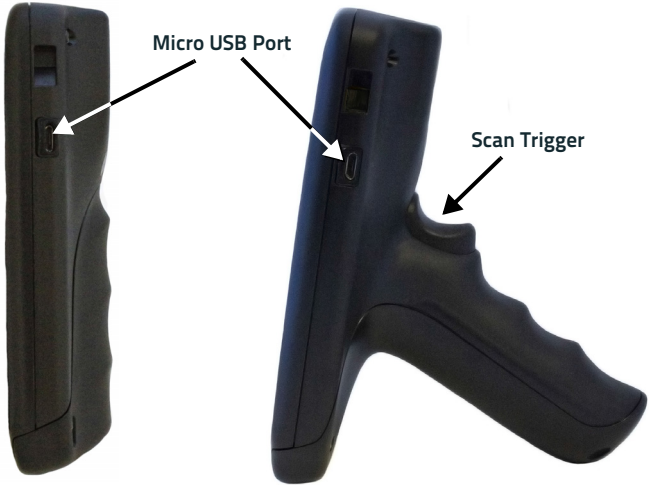
Laser Safety Label
Product Label
Power Key
S/N: G18G03793 P/N: 944700003
MODEL: MEMOR 1
TYPE A00AN04HL0GT0AN
INPUT: 5V 1.5A
Made in VN MFD: JULY 2018

Top View

Side View

Handheld Models

Pistol Grip Models



CAUTION

Do not apply any sticker to the Memor 1 (see the picture below).

Accessories

Cradles

94ACC0206	Memor 1 3-Slot Dock for General Purpose, Black; Requires PS (91ACC0048) and Line Cord.
94ACC0207	Memor 1 Single Slot Dock, Locking, Black; Requires PS (91ACC0048) and line cord.
94ACC0208	Memor 1 Single Slot Dock, Charge only, Black; PS with regional plugs included.

Cradles Accessories

91ACC0045	Memor 1 / Joya Touch Cradle/Dock Unlock Key (5 pcs).
91ACC0048	Power Supply for Memor 1/Joya Touch 3-Slot Cradle/Dock and Single Slot Dock; Requires Line Cord (for 3-slot powers up to 2 docks in Standard Charge mode and 1 dock in Fast Charge mode).
91ACC0049	Memor 1 / Joya Touch 3-Slot Cradle/Dock Power Jumper to connect a second 3-slot cradle/dock to a single power supply (5 pcs).
91ACC0050	Memor 1 / Joya Touch 3-Slot Cradle Wall Bracket.

Power Supplies

94ACC1380	Power supply, MicroUSB (charge direct to device).

Batteries

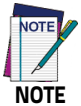
91ACC0055	Memor 1 / Joya Touch Battery (1 pc).

Cables

94A051968	Cable, MicroUSB, client.
95ACC1113	Power cord, 3-PIN IEC C13, USA.
95ACC1213	Power cord, 3-PIN IEC C13, UK.
95A051041	Power cord, 3-PIN IEC C13, EU.
95ACC1215	Power cord, 3-PIN IEC C13, Australia.

Various

94ACC0209	Memor 1 Handheld Rubber Boot (black).
94ACC0210	Memor 1 Pistol Grip Rubber Boot (black).
91ACC0080	Memor 1 / Joya Touch Belt Holster.



NOTE

Use only Datalogic-approved power supply and cables. Use of an alternative power supply will invalidate any approval given to this device and may be dangerous.

NOTES

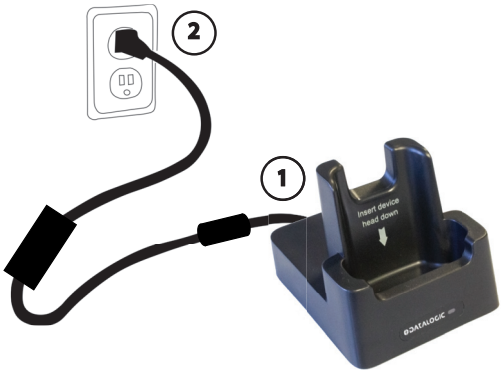
Charge the Device

The Memor 1 is provided with the battery pack already installed and configured in Ship Mode at the factory. To wake the device from Ship Mode, connect it to a power supply or insert it into a dock (for more information, see the Getting Started section of the Memor 1 User's Manual).

The battery pack is initially not fully charged. Before using the device, charge the battery with the single slot dock locking, the single slot dock charge only, the 3-slot cradle or the Datalogic micro-USB power supply.

Charge with the Single Slot Dock Charge Only

First plug the power supply into the power jack on the back of the dock, then plug the power supply into a power outlet.



CAUTION

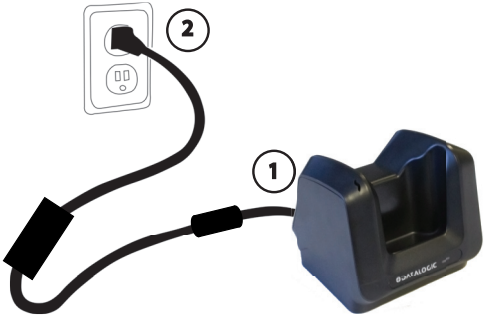
Use only the Datalogic power supply included in the box to power the Memor 1 Single Slot Dock Charge Only.

NOTE

Insert the device into the dock with the screen facing front and the head facing down.

Charge with the Single Slot Dock Locking

First plug the power cord into the power connector on the back of the dock, then connect the power cord to the power supply.



CAUTION

Use only the Datalogic power supply 91ACC0048 to power the Memor 1 Single Slot Dock Locking.

The Single Slot Dock Locking cannot be daisy-chained to a Memor 1 3-Slot Cradle.

NOTE

Insert the device into the dock with the screen facing front and the head facing down.

NOTE

The Single Slot Dock Locking can be unlocked using the unlock key provided with the cradle or by software sending an unlock command from the inserted device. See the Single Slot Dock Locking Quick Start Guide for further details.

Single Slot Dock Locking LED Indicators

LED	Status
Power On (Green LED)	
Solid green for 3 seconds	Dock bootstrap: cradle application started.
Short blink every few seconds	Dock standby (if the standby LED is enabled): the dock is powered and ready, no device inserted. You can enable/disable the standby LED feature from DL Cradle Manager.
Off	Dock standby (if the standby LED is disabled): the dock is powered and ready, no device inserted. You can enable/disable the standby LED feature from DL Cradle Manager.
Battery Charger LED (Bicolor Green/Red LED)	
Off	Device not charging or not inserted (see above).
Solid red	Device is charging.
Solid green	Device charging completed.
Maintenance LED (Red LED)	
Blink red, 1 quick pulse	Cradle not calibrated. Solution: perform an "auto calibration" from DL Cradle Manager. Ensure that the lever is free to move.
Blink red, 2 quick pulses	Lever wrong position. It is open but it should be closed or vice versa. Solution: restore the lever position (e.g.remove the mechanical key from the slot).

LED	Status
Blink red, 3 quick pulses	FOD (Foreign Object Detection). It's a WLC error related to metallic parts between transmitter and receiver coils. The power transfer is suspended. Solution: remove the device from the cradle, then remove the metallic part causing the problem.
Blink red, 4 quick pulses	EOC (end of charge) timeout error. The WLC EOC signal has been kept enabled by the terminal for too much time. Typically, it is caused by a bug in the terminal firmware. The power transfer is disabled.
Blink red, 5 quick pulses	WLC generic error. WLC system seems unstable and unable to setup a stable power transfer, within a reasonable time. The power transfer is suspended. Solution: try to extract the device from the cradle and to re-insert it again.
Blink red, 6 quick pulses	Device charging error.
Solid red	Firmware upgrade.
Blink red, 1 quick pulse	Cradle not calibrated. Solution: perform an "auto calibration" from DL Cradle Manager. Ensure that the lever is free to move.

For further information on the Memor 1 Single Slot Dock Locking, refer to the Single Slot Dock Locking Quick Start Guide, included in the dock's box.

Charge with the 3-Slot Cradle

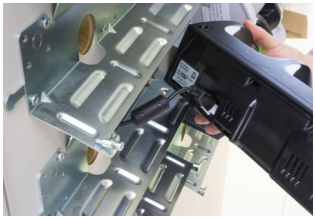
There are two options to connect the cradle to the power supply: fast charge and standard charge.

Fast Charge

The fast charge connection allows to power one cradle with one power supply.

Plug the power supply cable into the power connector on the back of the cradle, then plug the power supply into the AC/DC plug using a Datalogic power cable.

Please see below an example of how to insert the power supply cable through the wall mounting metal bracket:



High Visibility

High Density

Standard Charge

The standard charge connection allows to power two cradles with one power supply. To connect a second cradle use the Memor 1 Cradle Power Jumper, available as optional accessory (P/N 91ACC0049).

1. Connect the first cradle to the second cradle using the power jumper.
2. Connect the power supply to the first cradle.

3. Plug the power supply into the AC/DC plug using a Datalogic power cable.

CAUTION

Use only the Datalogic power supply 91ACC0048 to power the Memor 1 3-Slot Cradle.

NOTE

Insert the device into the dock with the screen facing front and the head facing down.

NOTE

Under the same conditions, the fast charge connection can charge the battery up to twice as fast as the standard charge connection.

NOTE

The Memor 1 3-Slot Cradle can be unlocked using the unlock key provided with the cradle or by software sending an unlock command from the inserted device. See the 3-Slot Cradle Quick Start Guide for further details.

3-Slot Cradle LED Indicators

LED	Status
Power On (Blue LED)	
Solid blue	Dock is powered.
User LED (Green LED)	
Green dimming animation (all slots in sequence)	Cradle application start.
Flash green for 300 ms (single slot)	Device properly locked in.
Solid green (single slot)	Could notify that the slot is unlocked (if programmed to use green led to notify unlock status) or it could be controlled by software using our SDK.
Maintenance LED (Red LED)	
Blink red, 1 quick pulse (single slot)	Cradle not calibrated. Usually it is notified simultaneously on all slots. Solution: perform an "auto calibration" from DL Cradle Manager. Ensure that levers are free to move.
Blink red, 2 quick pulses (single slot)	Lever wrong position. It is open but it should be closed or vice versa. Solution: restore the lever position (e.g.remove the mechanical key from the slot).
Blink red, 3 quick pulses (single slot)	FOD (Foreign Object Detection). It's a WLC error related to metallic parts between transmitter and receiver coils. The power transfer is suspended. Solution: remove the device from the cradle, then remove the metallic part causing the problem.

LED	Status
Maintenance LED (Red LED) - Continued	
Blink red, 4 quick pulses (single slot)	EOC (end of charge) timeout error. The WLC EOC signal has been kept enabled by the terminal for too much time. Typically, it is caused by a bug in the terminal firmware. The power transfer is disabled.
Blink red, 5 quick pulses (single slot)	WLC generic error. The WLC system seems unstable and unable to setup a stable power transfer within a reasonable time. The power transfer is suspended. Solution: try to extract the device from the cradle and to re-insert it again.
Blink red, 6 quick pulses (single slot)	Device charging error.
Blink red, 7 quick pulses (single slot)	Wrong daisy chain configuration error. More than two cradles are connected in daisy chain. Solution: remove exceeding cradles from the chain.
Solid red (middle slot only)	Firmware upgrade.

NOTE

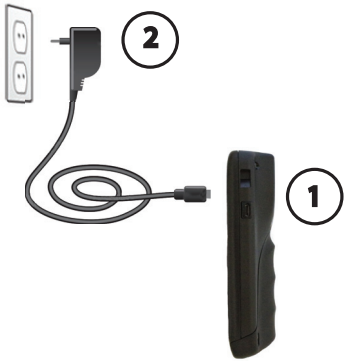
For further information on the Memor 1 3-Slot Cradle, refer to the Memor 1 3-Slot Cradle Quick Start Guide, included in the cradle's box, and to the Memor 1 3-Slot Cradle Installation Guide, downloadable from our website www.datalogic.com.

CAUTION

Do not put any foreign object such as, but not limited to, coins, paper clips, stickers inside the slot of any of the docks (see the examples below).

Charge with USB

Use the Datalogic micro-USB power supply (p/n 94ACC1380) to charge the terminal from a power outlet.



Battery Information

By default, the main battery pack is disconnected at the factory to avoid damage due to excessive draining.

Rechargeable battery pack is less than half of full charge when delivered.

The battery pack autonomy varies according to many factors, such as the frequency of barcode scanning, RF usage, battery life, storage, environmental conditions, etc.

Close to the limits of the working temperature, some battery performance degradation may occur.

The Memor 1 should be charged at an ambient temperature between 0 - 35° C (32 to 95°F) to achieve the maximum charging rate.

Never charge the device battery in a closed space where excessive heat can build up.

As a safety precaution, the battery may stop charging to avoid overheating.

The Memor 1 may get warm during charging; this is normal and does not mean a malfunction.

Even if the storage temperature range is wider, it is recommended to store the terminal and the batteries at environmental temperature, in order to achieve the longest battery life.

NOTE

The Memor 1 gets warm during charging. This is normal and does not mean a malfunction.

Avoid storing batteries for long periods in a state of full charge or very low charge.

We recommend charging the battery pack every two to three months to keep its charge at a moderate level to maximize battery life.

Annual replacement of rechargeable battery pack avoids possible risks or abnormalities and ensures maximum performance.

Do not incinerate, disassemble, short terminals, or expose to high temperature. Risk of fire and explosion. Use specified charger only. Risk of explosion if the battery is replaced by an incorrect type. Dispose of batteries as required by local authorities.

Use only Datalogic approved batteries and accessories for battery charging.

Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

Il y a risque d'explosion si la batterie est remplacée par une batterie de type incorrect.

Mettre au rebut les batteris usagées confor mément aux instructions.

Battery Safety Guidelines

WARNING

Installing, charging and/or any other action should be done by authorized personnel and following this manual.

The battery pack may get hot, explode, ignite, and/or cause serious injury if exposed to abusive conditions.

If the battery pack is replaced with an improper type, there is risk of explosion.

Do not place the battery pack in or near a fire or other heat source; do not place the battery pack in direct sunlight, or use or store the battery pack inside unventilated areas in hot weather; do not place the battery pack in microwave ovens, in clothes dryers, in high pressure containers, on induction cook surfaces or similar devices. Doing so may cause the battery pack to generate heat, explode or ignite. Using the battery pack in this manner may also result in a loss of performance and a shortened life expectancy.

To power the cradle, use only a Datalogic approved power supply. The use of an alternative power supply will void the product warranty, may cause product damage and may cause heat, an explosion, or fire.

The area in which the units are charged should be clear of debris and combustible materials or chemicals.

Do not use the battery pack of this terminal to power devices other than this device.

WARNING

Immediately discontinue use of the battery pack if, while using, charging or storing the battery pack, the battery pack emits an unusual smell, feels hot, changes color or shape, or appears abnormal in any other way.

Do not short-circuit the battery pack contacts connecting the positive terminal and negative terminal. This might happen, for example, when you carry a spare battery pack in your pocket or purse; accidental short–circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the contacts of the battery pack (these look like metal strips on the battery pack). Short–circuiting the terminals may damage the battery pack or the connecting object.

Do not apply voltages to the battery pack contacts.

Do not pierce the battery pack with nails, strike it with a hammer, step on it or otherwise subject it to strong impacts, pressures, or shocks.

Do not disassemble or modify (i.e. bend, crush or deform) the battery pack. The battery pack contains safety and protection devices, which, if damaged, may cause the battery pack to generate heat, explode or ignite.

In case of leakage of liquid from the battery, avoid contact with liquid the skin or eyes. If the contact occurs, immediately wash the affected area with water and consult a doctor.

Do not solder directly onto the battery pack.

Do not expose the battery pack to liquids.

WARNING

Avoid any knocks or excessive vibrations. If the device or the battery is dropped, especially on a hard surface, you should take it to the nearest Authorised Repair Centre for inspection before continuing to use it.

If your device stops working for any reason, do not use its battery on other electronic devices without a prior check and approval by an Authorised Repair Centre.

Do not replace the battery pack when the device is turned on.

Do not remove or damage the battery pack's label.

Do not use the battery pack if it is damaged in any part.

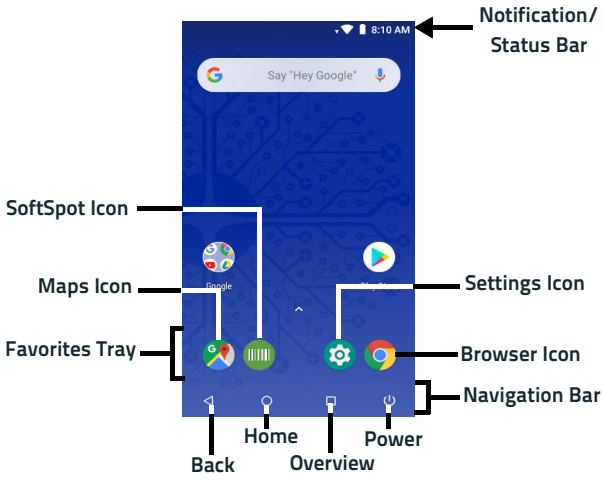
Battery pack usage by children should be supervised.

Collect and recycle waste batteries separately from the device in compliance with European Directive 2006/66/EC, 2011/65, 2002/96/EC and subsequent modifications, with US and China regulatory laws and regulations about the environment.

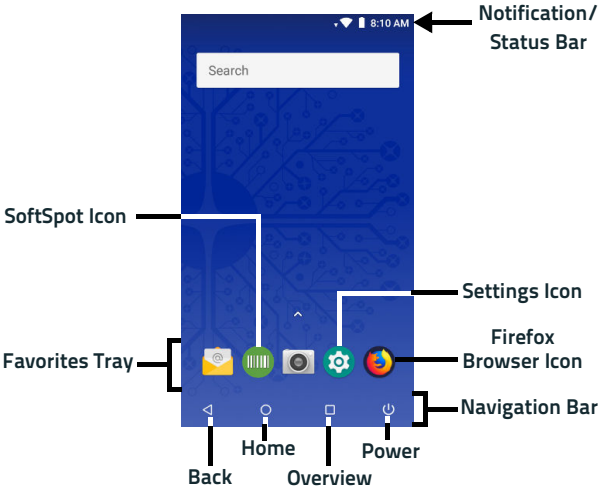
Turn on the Device

To turn on the Memor 1, press and hold the Scan Key or the Scan Trigger (for Pistol Grip models) for at least 4 seconds.

Home Screen - GMS Models



Home Screen - No GMS Models



Home Screen Items

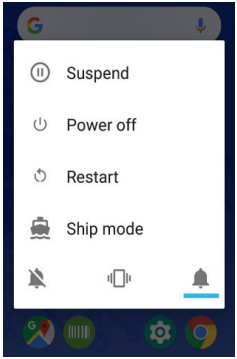
Notification/ Status Bar	Displays the time, status icons (right side), and notification icons (left side).
Favorites Tray	It is like a dock for your home screen. By default, it includes commonly used apps, but you can customize it.
Maps Icon	Launch the Google Map application.
SoftSpot Icon	Launch the SoftSpot application.
Settings Icon	Opens the Settings.
Browser Icon	Opens the Browser application.
Back Button	Returns you to the previous page.
Home Button	Returns you to the home page.
Overview Button	Shows the list of recent applications.
Power Button	Shows the Power Menu (see Power Menu on page 33).

Status Bar Icons

	Wi-Fi is on.
	Wi-Fi not connected.
	Wi-Fi connected no internet.
	Connected to a Wi-Fi network.
	Bluetooth is on.
	Battery is low.
	External power source is connected.
	Battery is full.
	Battery is partially drained.
	Airplane mode.
	Vibrate mode.

Power Menu

Tap the **Power** button on the Navigation Bar to display the Power Menu.



Alternatively, you can access the Power Menu by pressing the power key on the back of the device with a metallic clip:

Suspend

Select **Suspend** to turn the screen off and lock the terminal in order to save battery power. Also, the Memor 1 automatically enters suspend mode when inactive for a programmed period of time. To set the timeout limit, see Suspend Timeout on page 95.

To wake the device from suspend, press the Scan Key or the Scan Trigger (for Pistol Grip models).

To unlock the home screen, tap anywhere on the screen and drag your finger upward.

Power Off

Select **Power Off** to turn off the terminal. When you turn off the terminal, the session you are working on expires and it won't be possible to restore it.

Alternatively, you can shut down the device by pressing and holding the power key with a metallic clip for about 10 seconds:

Reboot

Select **Restart** to perform a Soft Reset (see Soft Reset on page 50).

Ship Mode

Select **Ship Mode** to perform a complete shutdown of the device, after which the battery will be detached.

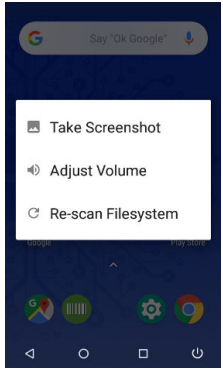
In the battery pack, undesired current consumption is reduced during a shipping period to extend the charge keeping time of the battery pack.

After this operation, the date and time settings will be lost.

To restart the device, connect it to a power supply or insert it into a dock.

Long Press Power Menu

Long press the **Power** button on the Navigation Bar until the Long Press Power Menu displays.



Take Screenshot

Select **Take Screenshot** to capture a screenshot of the current screen.

Adjust Volume

Select **Adjust Volume** to adjust the volume.

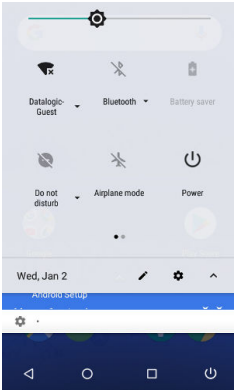
Re-scan Filesystem

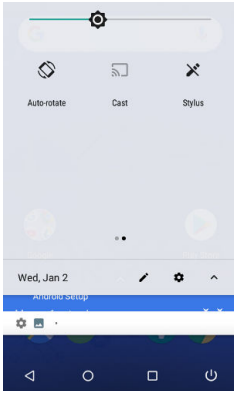
When the Memor 1 is connected to a host PC, you may need to refresh the file system to get changed files to show up in the File Status view.

Quick Settings Menu

You can use this menu to toggle settings such as Wi-Fi, Bluetooth, Battery saver, auto-rotation and more.

To display the Quick Settings Menu, drag your finger twice from the top of your screen downward.





Applications

The **All Apps** screen displays icons for all installed applications. The table below lists the default applications installed on the Memor 1.

GMS Models

Icon	Description
	Amaze - Material Design file manager for Android devices. For more details, refer to the following link: https://github.com/TeamAmaze/AmazeFileManager.
	Calculator - Provides the basic and scientific arithmetic functions.
	Calendar - Use to manage events and appointments.
	Chrome - Google's own web browser. Use it to access the Internet or intranet.
	Clock - Lets you schedule alarms for appointments or as a wake-up.
	Contacts - Allows you to manage contacts information.
	DL Battery Manager - Provides information on the battery type, charge, status and temperature, allows to set the charging profile and to log battery data (see DL Battery Manager on page 109).
	DL Cradle Manager - Provides information on the cradle (see DL Cradle Manager on page 123).

Icon	Description
	DL Ringtone Editor - Allows to create your own ringtones and notifications.
	Drive - Google's own file storage and synchronization service. Use it to safely store, synchronize and share your photos, videos, files and more in the cloud.
	Duo - Google's own video chat mobile. Use it to make video calls in high definition.
	DXU Agent - Launch to start a pairing with DXU by reading a barcode containing the configuration data of your PC (see Desktop Configuration Utility (DXU) on page 133).
	Enterprise Agent- Enhances the lockdown functionalities of SureLock and SureFox to ensure advanced device security (see SureLock on page 144 and SureFox on page 144).
	Files - It lets you manage files and folders.
	Gallery - Use to view photos stored on the internal storage memory.
	Gmail - Use it to send and receive email.
	Google - Google's own web search engine.
	Led Effects Editor - Allows to create and store LED effects (see Led Effects Editor on page 134).

Icon	Description
	Maps - Google's own mapping mobile app.
	Music - Play music stored on the internal storage memory.
	Photos - Google's own photo sharing and storage service.
	Play Movies & TV - Google's own online video on demand service. It offers movies and television shows for purchase or rental, depending on availability.
	Play Music - Music and podcast streaming service and online music locker operated by Google.
	Play Store - Google's own digital distribution service. It serves as the official app store for the Android operating system and as a digital media store.
	ProximityCalibrate - Allows to calibrate the proximity sensor (see ProximityCalibrate on page 136).
	Scan2Deploy - Configuration tool (see Scan2Deploy on page 137).
	ScanEngineCamera - Use it to take photos.
	Scanner – Enables data capture (see Data Capture on page 147).

Icon	Description
	Settings - Use it to configure the Memor 1 (see Settings on page 57).
	SoftSpot - A configurable application meant to provide easy access to frequently used functionalities (see SoftSpot™ on page 138).
	Sound Recorder - Use it to record audio.
	Videos - Play videos stored on the internal storage memory.
	Voice Activation - Activates voice commands.
	Youtube - Google's own video-sharing website

No GMS Models

Icon	Description
	Amaze - Material Design file manager for Android devices. For more details, refer to the following link: https://github.com/TeamAmaze/AmazeFileManager.
	Calculator - Provides the basic and scientific arithmetic functions.
	Calendar - Use to manage events and appointments.
	Clock - Lets you schedule alarms for appointments or as a wake-up.
	Contacts - Allows you to manage contacts information.
	DL Battery Manager - Provides information on the battery type, charge, status and temperature, allows to set the charging profile and to log battery data (see DL Battery Manager on page 109).
	DL Cradle Manager - Provides information on the cradle (see DL Cradle Manager on page 123).
	DL Ringtone Editor - Allows to create your own ringtones and notifications.
	DXU Agent - Launch to start a pairing with DXU by reading a barcode containing the configuration data of your PC (see Desktop Configuration Utility (DXU) on page 133).

Icon	Description
	Email - Use it to send and receive email.
	Enterprise Agent- Enhances the lockdown functionalities of SureLock to ensure advanced device security (see SureLock on page 144).
	Files - It lets you manage files and folders.
	Firefox Browser - Use it to access the Internet or intranet.
	Gallery - Use to view photos stored on the internal storage memory.
	Led Effects Editor - Allows to create and store LED effects (see Led Effects Editor on page 134).
	Music - Play music stored on the internal storage memory.
	ProximityCalibrate - Allows to calibrate the proximity sensor (see ProximityCalibrate on page 136).
	Scan2Deploy - Configuration tool (see Scan2Deploy on page 137).
	ScanEngineCamera - Use it to take photos.

Icon	Description
	Scanner – Enables data capture (see Data Capture on page 147).
	Settings - Use it to configure the Memor 1 (see Settings on page 57).
	SoftSpot - A configurable application meant to provide easy access to frequently used functionalities (see SoftSpot™ on page 138).
	Sound Recorder - Use it to record audio.
	SureLock - Use it to secure and lock your device (see SureLock on page 144).
	Videos - Play videos stored on the internal storage memory.
	Voice Activation - Activates voice commands.

Touch Gestures

Tap	Tap the screen with your finger or with the stylus to open items and select options.
Drag	Hold your finger or the stylus on the screen and drag across the screen to scroll or pan. Drag in a list to select multiple items.
Tap-and-hold	Tap and hold your finger or the stylus on an item to see a list of actions available for that item. On the pop-up menu that appears, tap the action you want to perform.

Using the Stylus Pen

The stylus selects items and enters information. It functions as a mouse. Pen input is disabled by default. Tap the **Stylus** icon on the Quick Settings Menu to enable it (see Quick Settings Menu on page 37).

The stylus tip size must be minimum 4 mm.

To prevent damage to the screen, do not use sharp devices or any device other than your finger or a touch screen stylus.

Do not apply not necessary high pressures on the screen.

For applications where an intensive use of the touch screen is foreseen, please consider that touch screen components are subject to progressive wear.

Reset the Device

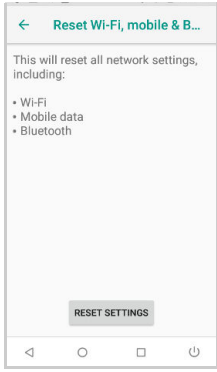
Configuration Reset

Configuration reset sets the configuration of the device (all its settings) to a known status: the factory status or an enterprise-user-defined status.

Reset Wi-Fi, Mobile & Bluetooth

Resets all network settings.

1. Tap **Settings** > **System** > **Reset options** > **Reset Wi-Fi, mobile & Bluetooth**.



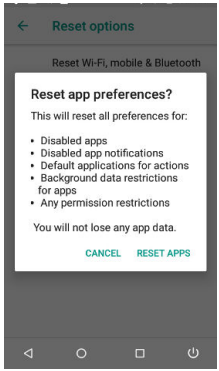
2. Tap **RESET SETTINGS**.

Reset App Preferences

Resets all preferences for:

- disabled apps
- disabled app notifications
- default applications for actions
- background data restrictions for apps
- any permission restrictions.

1. Tap **Settings** > **System** > **Reset options** > **Reset app preferences**.

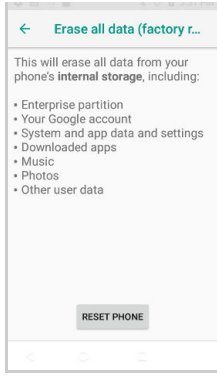


2. Tap **RESET APPS**.

Factory Reset

Brings the device to the default configuration, clearing all the user-customized settings.

1. Tap **Settings** > **System** > **Reset options** > **Erase all data (factory reset)**.



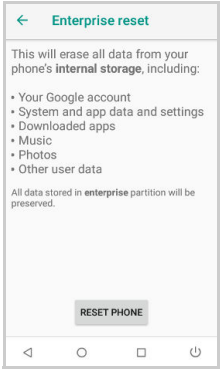
2. Tap **RESET PHONE**.

Enterprise Reset

Enterprise Reset brings the device to an enterprise-user-defined configuration, clearing all data and settings except the ones persisted by the enterprise system applications in the **enterprise** flash partition and in the **splash** flash partition.

The Enterprise folder is a file system storage that is used for deployment and device-unique data. It is persistent and maintains data after an Enterprise reset. Applications and custom settings (i.e. custom boot animation and wallpaper) can persist data after an Enterprise Reset by saving them to the enterprise folder.

1. Tap **Settings** > **System** > **Reset options** > **Enterprise reset**.



Tap **RESET PHONE**

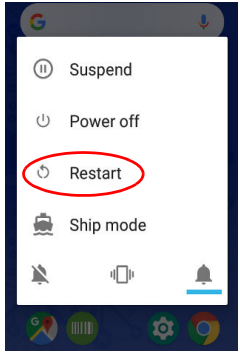
Device Reset

Device reset restarts the device.

Soft Reset

Restarts Android Operative System through an Android API function. It is generally used when some applications stop responding, or it is automatically issued by Android after a Configuration reset.

1. Press the **Power** button.



2. Tap **Restart**.
3. The device shuts down and then reboots.

Hard Reset

Restarts the device resetting all the hardware components. This procedure guarantees the safe reboot of the device in any condition, without causing damage to the device and without data loss. It is generally used when the device stops responding or after a critical failure that compromises its usability.

To perform a hard reset, do the following steps:

1. Perform a full shutdown by pressing and holding the power key with a metallic clip for about 15 seconds. After clip release, the left and right LEDs will blink once simultaneously to confirm the correct shutdown (see LED Indicators on page 54).

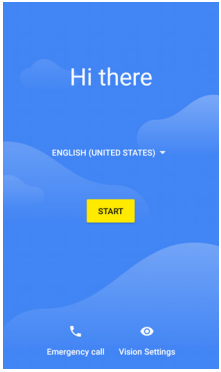
2. Press the Scan Key or the Scan Trigger to restart the device.

NOTE

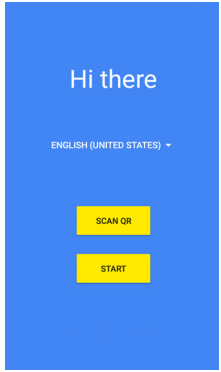
After a hard reset, the date and time settings will be lost.

Setup Wizard

After the first boot or a factory reset, the start dialog of the Setup Wizard is displayed, with initial settings for you to configure.



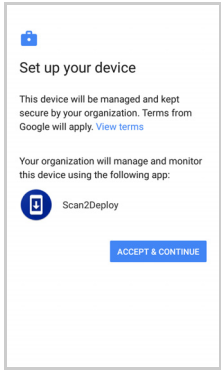
GMS Models



No GMS Models

Device Owner Mode

To activate Device Owner (DO) mode for Android Enterprise, scan the QR code with the scan engine in any part of the Wizard, then agree to the terms and conditions. The device is now placed in Device Owner (DO) mode.



LED Indicators

The LEDs illuminate to indicate various functions or errors on the reader. Memor 1 LEDs are fully customizable through the SDK, the **Settings** app or the **Led Effects Editor** app. See Led Notifications on page 70 and Led Effects Editor on page 134 for more details.

Memor 1 has three LED indicators:

The following table lists the default indicators.

LED Behaviour	Status
Left and Right LEDs blink alternately	Critical charge (the device is charging, but the battery level is too low to turn on).
Bottom LED illuminates solid	Good read (a good decode is completed).

Magnetic Sensor Calibration

Memor 1 is a compass-enabled device. Its magnetic sensor allows you to use any compass application to determine north and south and display cardinal directions, no matter which orientation the phone is in.

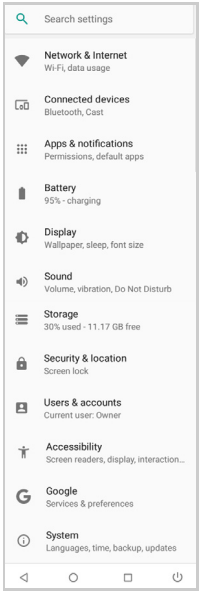
To calibrate the magnetic sensor, hold the device in front of you and wave it through the air in a figure 8 pattern as shown in the picture below:

NOTES

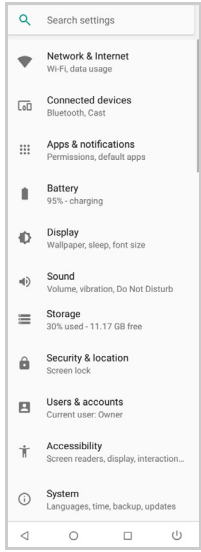
Settings

Overview

The **Settings** app allows you to set system parameters to customize your device. Tap the **Settings** icon to open the **Settings** screen.



GMS Models

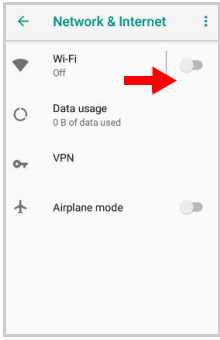


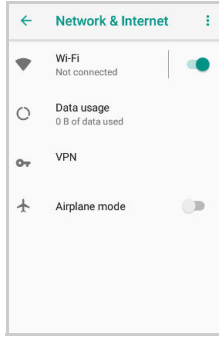
No GMS Models

Network & Internet

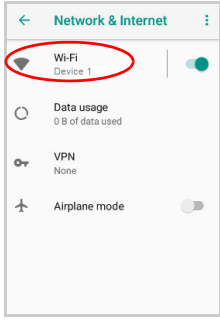
Connect to Wi-Fi Network

1. To turn on the Wi-Fi, tap **Settings** > **Network & Internet** and switch right to the **On** position.

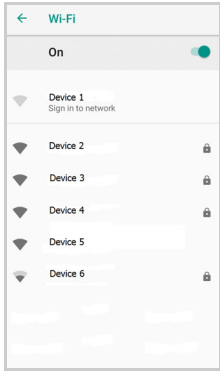




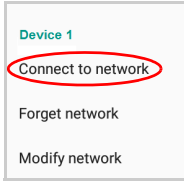
If the device finds a network that you connected to previously, it will connect to it automatically.



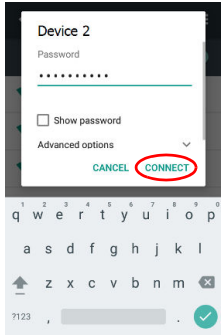
2. Tap **Wi-Fi**. The Memor 1 scans for available Wi-Fi networks within range and lists them. Secured networks are indicated with a lock icon.



3. Select the network name you want to connect to from the available network list.
4. If the network is open, tap the profile, or press and hold and then select **Connect to network**:

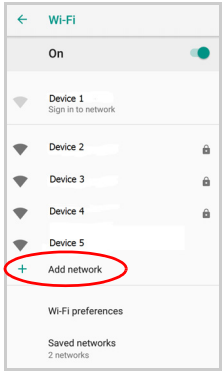


If the network is secured, a dialog box appears requesting information relevant to the network security protocol (e.g., password, key, or certificate). Enter the required information, then tap **Connect**:

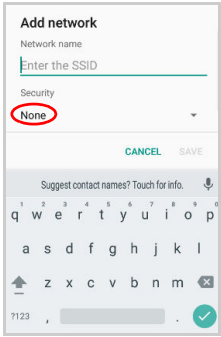


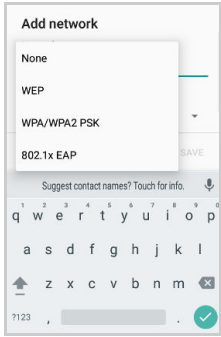
Add a Wi-Fi Network

1. Tap **Settings** > **Network & Internet** and verify that the Wi-Fi is turned on.
2. Tap **Wi-Fi**.
3. Tap **Add network** at the end of the available network list:



4. Enter the Network SSID (Wi-Fi network name). For secure Wi-Fi network connections, tap **None** under **Security**, and then select the type of security protocol required from the pop-up menu (e.g., WEP, WPA/WPA2 PSK or 802.1xEAP). Enter any additional security information required by the type of security protocol selected.


Add network
Network name
Enter the SSID
Security
None
CANCEL
SAVE
Suggest contact names? Touch for info.

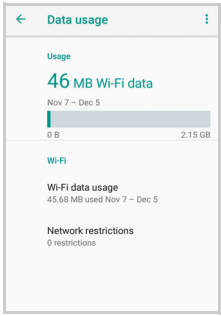

Add network
None
WEP
WPA/WPA2 PSK
802.1x EAP
SAVE
Suggest contact names? Touch for info.

5. Tap **Save**.

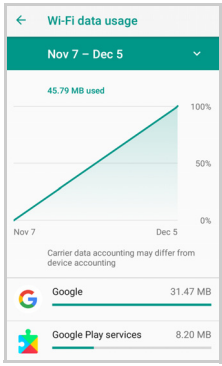
Data Usage

To monitor the data usage of all of your apps, Tap **Settings** > **Network & Internet** > **Data usage**.

The overall data consumed is shown at the top of the screen:

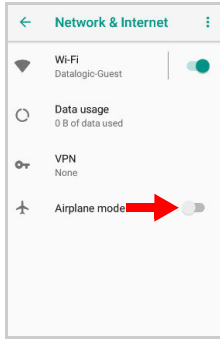


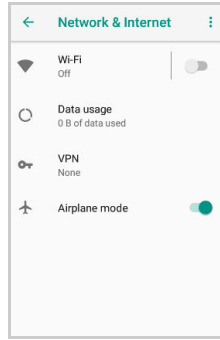
Tap Wi-Fi data usage to display the amount of data used individually by each app.



Airplane Mode

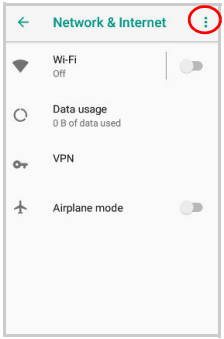
To suspend radio-frequency signal transmission by the device and disable Bluetooth, phone, and Wi-Fi, switch right to the **On** position:

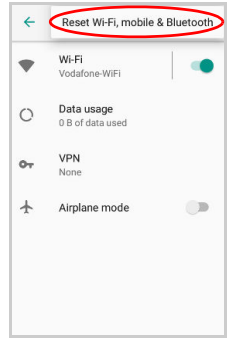




Reset Networks

Resets all network settings, tap the Network & Internet menu and then tap **Reset Wi-Fi, mobile & Bluetooth**:





See also Reset Wi-Fi, Mobile & Bluetooth on page 46.

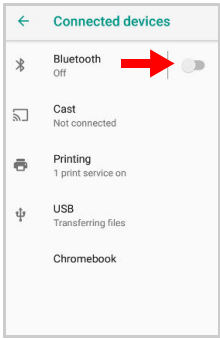
Connected Devices

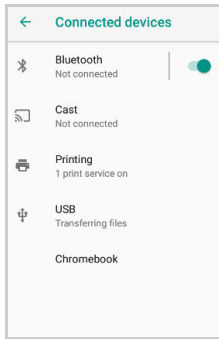
Bluetooth Settings

To create a Bluetooth® pairing between your device and another device that has Bluetooth® capabilities, ensure that the two devices are turned on, discoverable, and within close range.

Enable Bluetooth®

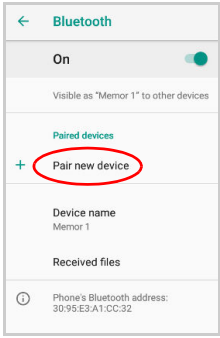
1. To turn on the Bluetooth®, tap **Settings** > **Connected Devices** and switch right to the **Bluetooth On** position.

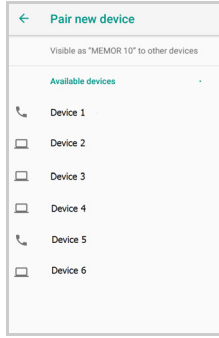




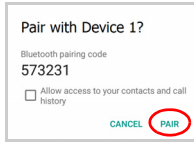
Connect to Other Bluetooth@ Devices

1. Tap **Bluetooth** > **Pair new device**. The device automatically starts searching for discoverable devices.





2. Flick the list and select a device. The **Bluetooth pairing request** dialog box displays on the screen:

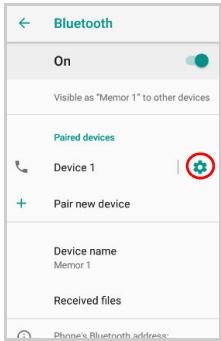


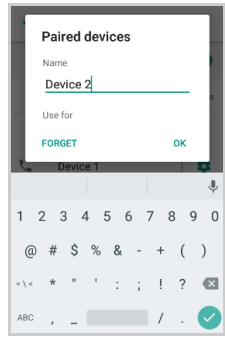
3. Make sure both devices show the same passkey and tap **Pair**.
4. The selected Bluetooth® device is added to the **Paired Devices** list and a paired connection is established.

Configure, Rename or Unpair Bluetooth@ Devices

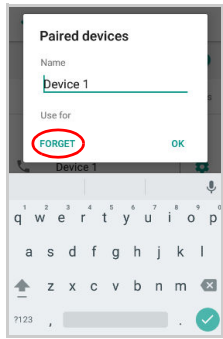
Tap **Settings** > **Connected devices** > **Bluetooth**.

Select a device from the **Paired Devices** list and tap the settings icon next to its name. The **Paired devices** window displays on the screen. Type in the **Name** field to rename the paired device.

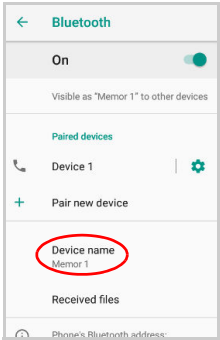


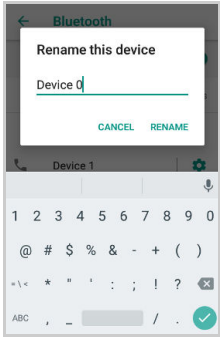


Tap **FORGET** to unpair:



To rename your device, tap **Device name**. Type in the new name.





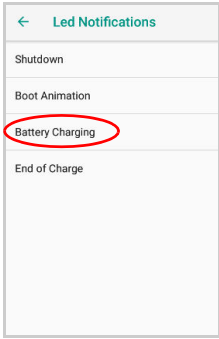
Tap **Rename** to confirm.

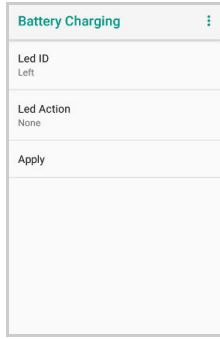
System

Led Notifications

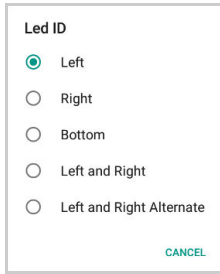
The **Led notification** settings allows to configure the LED indicators (see LED Indicators on page 54).

Tap **Settings** > **System** > **Led notifications**. The first window lists the events/states the LED should signal. Select the desired event.

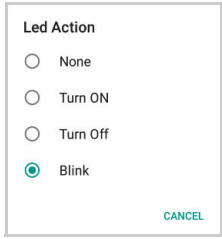




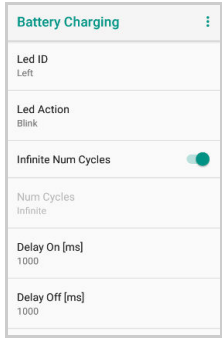
Tap **Led ID** to select the LED you want to assign to the event.



Tap **Led Action** to configure the LED behaviour.

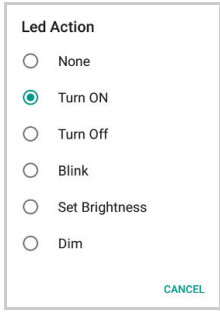


Use the **Blink** window to configure the blink frequency and duration:

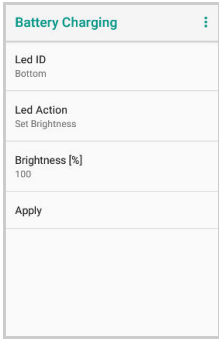


Tap **Apply** to confirm the settings.

If the **Bottom** LED is selected, the **Led Action** list will include two more options:

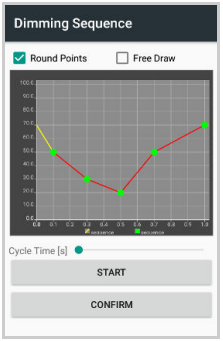


Set Brightness allows to configure the LED's brightness.



Tap **Apply** to confirm the settings.

Dim allows to adjust the LED's brightness through an editor. Select **Dim** and the tap **Dimming Sequence** to draw the dimming curve:

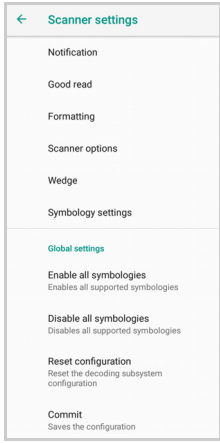


Tap **CONFIRM**.

Scanner Settings

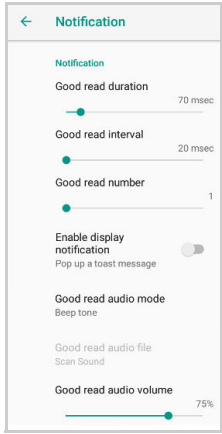
Before you start reading barcodes, use the **Settings** app to view and configure all settings for the scanner.

From the applications menu, tap **Settings** > **System** > **Scanner Settings**. Select the desired configuration from the following options:



Notification

Use it to configure the good read tone and display notification:



Good Read Duration

Sets the duration of the notification (LED, green spot or beep) the scanner emits on a good read.

Good Read Interval

Sets the interval between each notification (LED, green spot or beep) the scanner emits on a good read.

Good Read Number

Sets the number of notifications (LED, green spot or beep) the scanner emits on a good read.

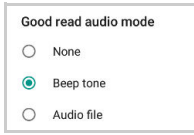
Enable Display Notification

Enables display notifications (toasts). If disabled, the scanner is disabled until you launch a scanner listener application developed using the Datalogic SDK or enable a keyboard/intent wedge.

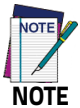
Good Read Audio Mode

Sets the audio tone to:

- None
- Beep tone
- Audio file



If **Audio file** is selected, the option **Good read audio file** displays. Tap it to select the file you want to use as good read ringtone.



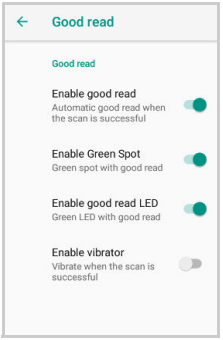
The Notification settings do not apply to an audio file.

Good Read Audio Volume

Sets the volume of beep tone or audio file (if enabled).

Good Read

Use it to enable good read notifications:



Enable good read enables/disables automatic god read notification.

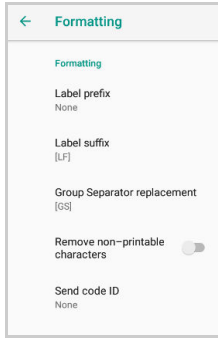
Enable Green Spot enables/disables the Green Spot.

Enable good read LED enables/disables the green LED.

Enable vibrator enables/disables the vibrator.

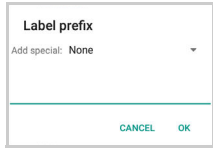
Formatting

Allows to format the barcode text by enabling and configuring the use of prefix, suffix, group separator and code identifier:



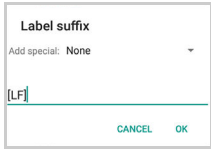
Label Prefix

Tap **Label prefix** to enter the characters you will be using as prefix. Tap **Add special** to select a special character to be added in the current cursor position:



Label Suffix

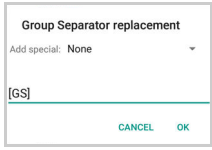
Tap **Label suffix** to enter the characters you will be using as suffix. Tap **Add special** to select a special character to be added in the current cursor position:



Group Separator Replacement

The Group Separator replacement is a non printable data separator character (ASCII code 1D hex). Tap **Group Separator replacement** to enter a string that will be used as GS data separator substituting the standard GS character.

Tap **Add special** to select a special character to be added in the current cursor position:

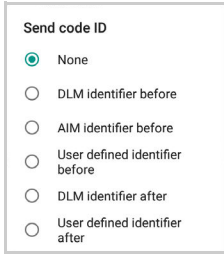


Remove Non-Printable Characters

Select it to remove non-printable characters from a unicode string.

Send Code ID

Tap **Send code ID** to add a code identifier prefix or suffix to the barcode string:



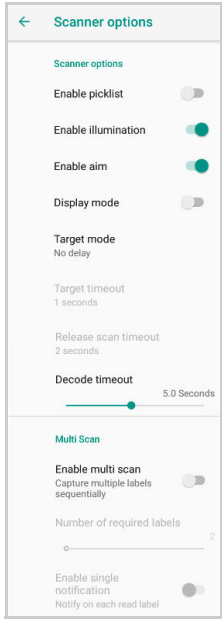
The AIM ID (Association for Automatic Identification and Mobility) is an international barcode identifier. When **AIM identifier before** is enabled, the AIM ID is inserted at the beginning of the decoded barcode.

DLM identifier is a Datalogic specific character identifier.

User defined identifier is a user specific character identifier you can set in the related symbology settings menu.

Scanner Options

Tap **Scanner Options** to customize the Memor 1 scanning behavior.



Enable Picklist

If enabled, it allows you to pick and decode a barcode from multiple barcodes printed close together, when the scan illumination intersects more than one barcode. Only the targeted barcode will be returned.

Enable Illumination

If enabled, it causes the scanner to turn on the illumination to aid decoding.

Enable Aim

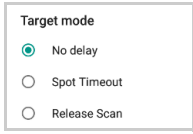
Enables the laser aim.

Display Mode

Enable to scan barcodes from mobile phones or PC displays.

Target Mode

If enabled, when the scan button is pressed, the scanner will project an aiming pattern to assist in centering over the barcode before scanning. Tap **Target mode** to select the desired targeting behavior:

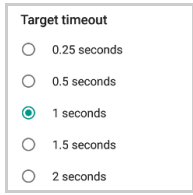


No Delay

Target mode is disabled.

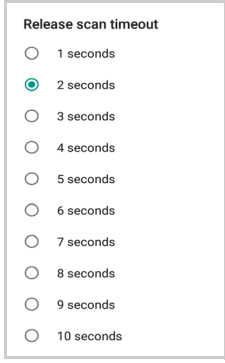
Spot Timeout

Scanning takes place after a programmable time upon pressing the scan button. Tap **Target timeout** to set the duration of the spot:



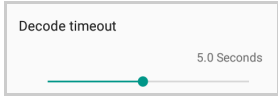
Release Scan

Scanning takes place after the scan button is released. Tap **Release scan timeout** to set the scanning timeout after releasing the scan button:



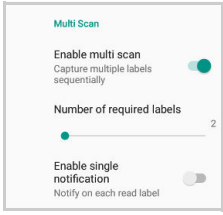
Decode Timeout

Drag the **Decode timeout** slider to set the maximum amount of time the scanner attempt to decode after target timeout (in case **Spot Timeout** is enabled) or after the scan button is pressed (in case **Target mode** is disabled):



Enable Multi Scan

If enabled, it allows you to capture multiple labels sequentially.



Number of Required Labels

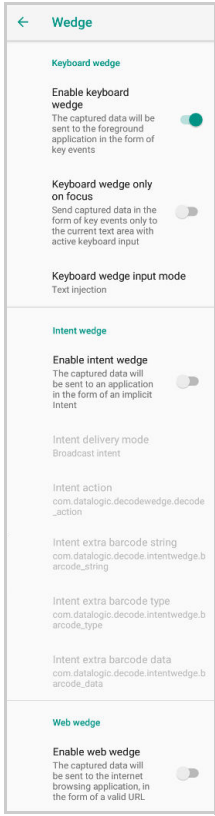
Drag the slider to indicate how many barcodes you want to collect.

Enable Single Notification

If enabled, it enables indicators for each label, in order to get an intermediate notification for each label decoded.

Wedge

Use it to enable or disable the keyboard wedge and the intent wedge:



Enable Keyboard Wedge

Enables/disables the keyboard wedge mode.

Keyboard Wedge Only on Focus

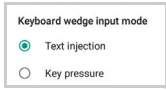
If enabled, the scanner is enabled whenever a text area is in focus and can receive text.

It provides a safer way to input keystrokes into the foreground application, allowing to send captured data in the form of key events only to the current text area with active keyboard input.

If this setting is not enabled, keystrokes will be always dispatched to the foreground application.

Keyboard Wedge Input Mode

Allows to select the scanned data input mode.



Text Injection

The scanned barcode is injected into the text area.

Key Pressure

The scanned barcode is translated into keyboard strokes.

Enable Intent Wedge

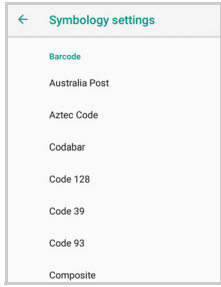
Enables the broadcast of specific intents to the listening applications. The broadcasted intent can have its custom Action, Category and extra content fields. The scanner is enabled whenever the intent option is flagged.

Enable Web Wedge

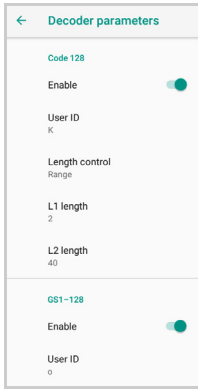
Enables direct data input into internet browsing applications, in the form of a valid URL.

Symbology Settings

Each barcode symbology can be customized with additional settings that may affect that specific barcode decoding. Tap **Symbology settings** to configure symbology decoding options:

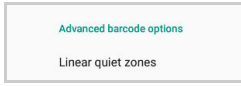


Refer to the sample symbology control panels for examples of the types of fields and options you can modify. The example below shows the settings of a Code 128 barcode symbology:



Advanced Barcode Options

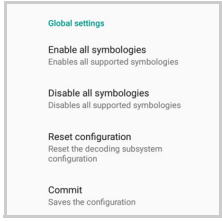
Linear Quite Zones



Tap **Linear quiet zones** to reduce the blank margin on either side of a linear barcode.

Global Settings

Use this section to change symbologies settings globally and to persist them.



Enable All Symbologies

Enables all barcode symbologies.

Disable All Symbologies

Disables all barcode symbologies.

Reset Configuration

Resets back to default scanner configuration settings.

Commit

Saves the configuration settings to a persistent storage. Any change you make is temporary and will be lost when the system restarts, unless you tap **Commit**.

System Upgrade

Allows you to upgrade your operative system to the latest version.

To transfer the OTA package from your PC to the Memor 1, follow the steps below:

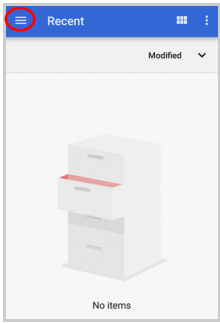
1. Connect the device and the PC via USB cable (see USB Connection on page 151);

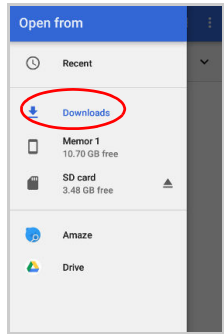
2. Scroll down the notification bar, tap the charging notification, change to **Transfer files**;

3. Now the device is visible in your PC as a USB disk. Copy the OTA package to the device **Download** folder;

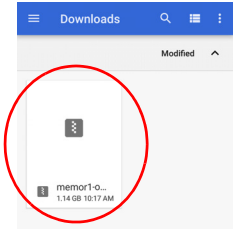
Local Upgrade

From the **Settings** menu, tap **System** > **System upgrade** > **Local upgrade**. Tap the menu icon on the top left corner of the screen and then tap **Downloads**.



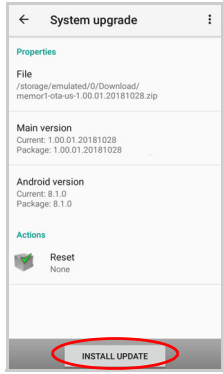


Select the update package you want to install:



The OTA package would be also available if copied into another folder. You just need to select the right folder.

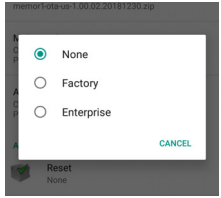
The following window displays on screen, showing information about the device and the update package components:



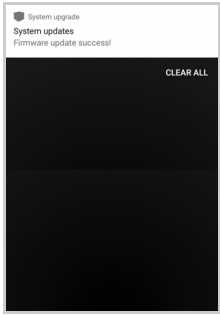
The **PROPERTIES** section shows information about the device model and OS version and the update package version.

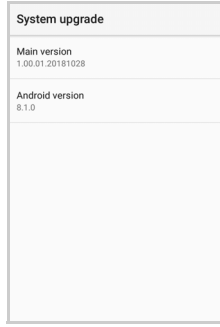
The **ACTIONS** section allows to:

- reset the device configuration after the update (see Reset the Device on page 46)
- force the update of all components, including those already updated.

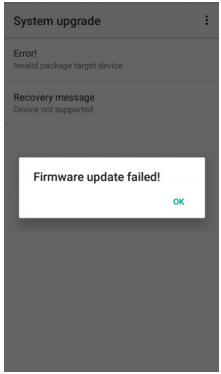


Tap **Install Update**. The device will reboot and a success notification will be displayed. Tap the notification to display a report showing the installed update components.





If the update fails, the screen will display a failure message and a report showing the reasons for failure:



NOTE

During the update, ensure that:

- **battery level is more than 10% if the Memor 1 is not connected to a power source;**

or

- **battery level is more than 5% if the Memor 1 is connected to a power source (USB or dock).**

NOTE

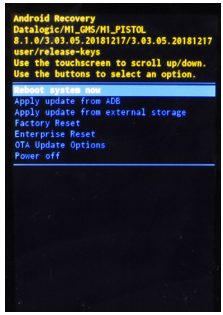
Update is always done in recovery mode (see Recovery Mode on page 94**).**

Recovery Mode

Recovery is an independent, runtime environment that's included on a separate bootable partition from the main Android OS. It contains tools to help repair your installations as well as install official OS updates by using a combination of key presses. Its main purpose is to reset the device, wipe data or perform system updates when the system crashes and the screen is unresponsive.

To enter **Recovery Menu**:

1. Turn off the Memor 1 (see Power Off on page 34).
2. Press the Power key with a metallic clip and, immediately after, press the Scan Key.
3. The **Recovery Menu** displays on the screen:



4. Use the touch screen to navigate the menu. You can apply/force updates and perform a configuration reset. Press the Scan Key or the Scan Trigger to select.

5. Select **Reboot system now**. The device reboot is complete.

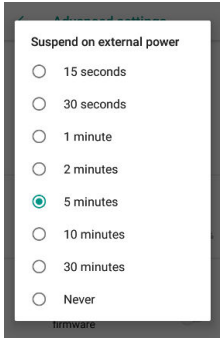
Advanced Settings

Suspend Timeout

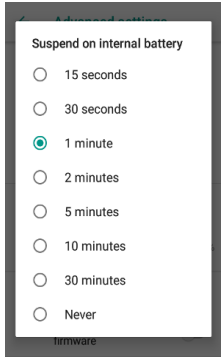
You have two options to set the suspend timeout (see Suspend on page 34 for more information on Suspend Mode):

1. Tap **Settings** > **System** > **Advanced settings**:

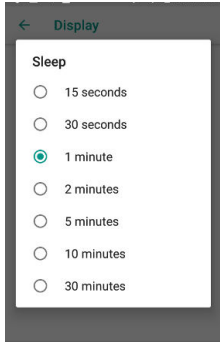
- **Suspend on external power** sets the number of seconds without user input activity before the system is suspended while running on external power.



- **Suspend on internal battery** sets the number of seconds without user input activity before the system is suspended while running on battery power.



2. Tap **Settings** > **Display** > **Sleep** to set the number of seconds without user input activity before the system is suspended while running on either battery power or external power.

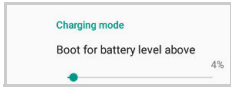


If you use the **Advanced settings** page to set the auto-suspend timeouts, the **Display** page's **Sleep** control will display the **Suspend on internal battery** if no external power is connected; if the device is connected to an external power source (USB or dock), it will display the **Suspend on external power**.

If you set the **Display** page's **Sleep** control to a new value, it will override both timeouts for external power and internal battery.

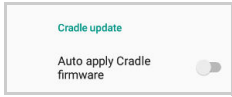
Charging Mode

Sets the battery level at which the device turns on automatically. The default value is 4%.



Cradle Update

Enables automatic firmware update of the cradle when you insert the device.

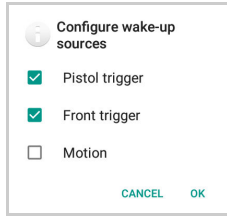


Wake-Up Configuration

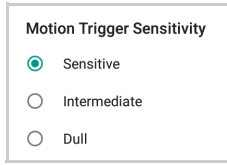
The default wake-up sources are the scan key and the scan trigger.

Possible wake-up buttons are front trigger (Scan Key), pistol trigger (Scan Trigger) and motion (see Triggers on page 106 for more details).

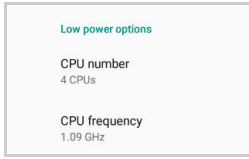
Tap **Settings** > **System** > **Advanced settings** > **Configure wake-up sources** to enable/disable wake-up sources.



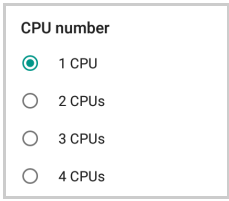
If **Motion** is selected, your device will wake-up as soon as it detects motion. Tap **Motion Trigger Sensitivity** to configure the motion detector's sensitivity:

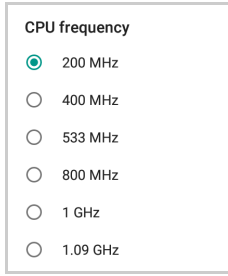


Low Power Options



You can configure the Battery saver mode (see Quick Settings Menu on page 37) by setting CPU number and frequency:

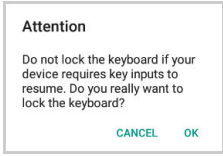




Input Configuration

Lock Keyboard Input

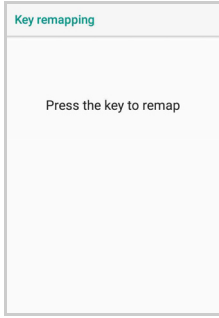
Enable **Lock keyboard input** to lock user input from the keyboard. The following pop up window displays on screen asking for confirmation:



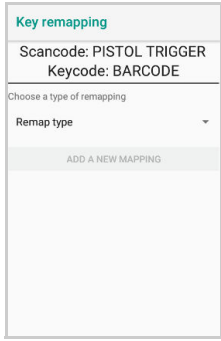
To unlock the keyboard, disable the **Lock keyboard input**.

Key Remapping

Tap **Key remapping** to remap an input key, then press the key you want to remap. You can remap the Front Trigger and the Pistol Trigger.

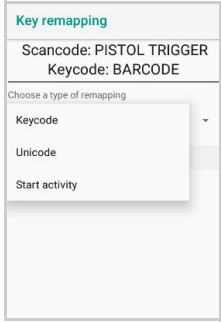


The following window displays on screen:



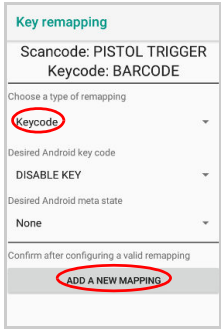
- **Scancode** represents the physical location of a keyboard key.
- **Keycode** represents the value that is mapped to a specific key.

Tap **Remap type** to select the remapping type:



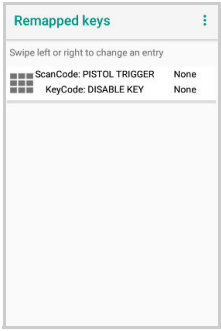
Keycode

Select **Keycode** to map the selected key to a new function:



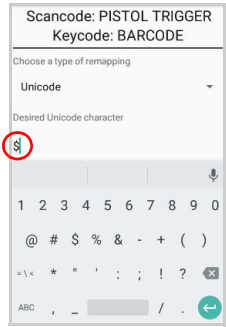
- Tap the second menu (default = **DISABLE KEY**) to select the new function you want to assign to the selected key.
- Tap the last menu (default = **None**) to add a modifier key (such as **Ctrl**, **Shift** or **Alt**).

Tap **ADD A NEW MAPPING**. A window displays showing the new keymap.

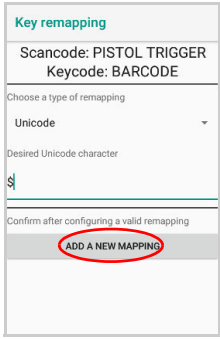


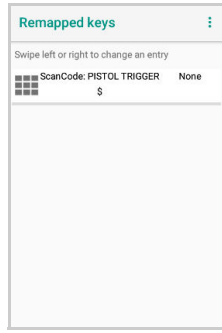
Unicode

Select **Unicode** to remap a key to display Unicode characters (such as symbol "$"):



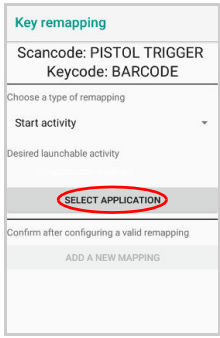
Press the Back Button on the navigation bar and then tap **ADD A NEW MAPPING**. A window displays showing the new keymap:

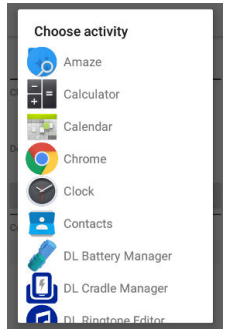




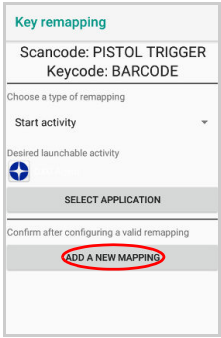
Start Activity

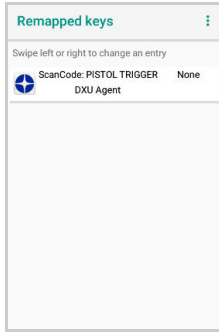
Select **Start activity** to remap a key to launch an application loaded on your device. Tap **SELECT APPLICATION**:





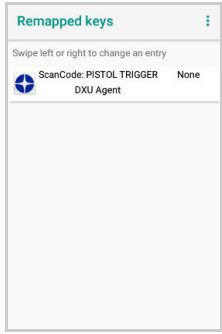
Select the desired application and then tap **ADD A NEW MAPPING**. A window displays showing the new keymap:





View All Remapped Keys

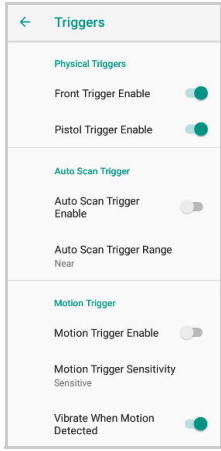
Tap **View all remapped keys** to display all remapped keys:



Swipe left to edit an entry. Swipe right to remove an entry and reset the key mapping back to default.

Triggers

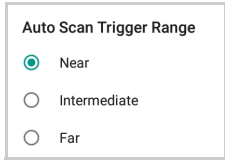
Tap **Triggers** to enable/disable the trigger keys. The physical triggers are enabled by default.



Auto Scan Trigger

If **Auto Scan Trigger** is enabled, the device will automatically scan barcodes without a trigger being pressed.

Tap **Auto Scan Trigger Range** to select the maximum distance at which the device will automatically start scanning barcodes.

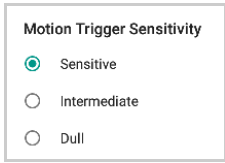


Motion Trigger

If **Motion Trigger Enable** is selected, the scan engine will be enabled as vigorous motion is detected.

A vibration notifies you that the scan engine is enabled and ready to scan a barcode. Select/clear the **Vibrate When Motion Detected** check box to enable/disable this notification.

Tap **Motion Trigger Sensitivity** to configure the motion detector's sensitivity:

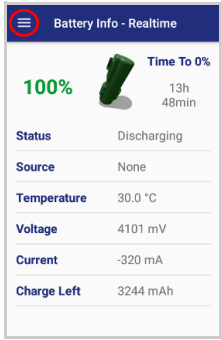


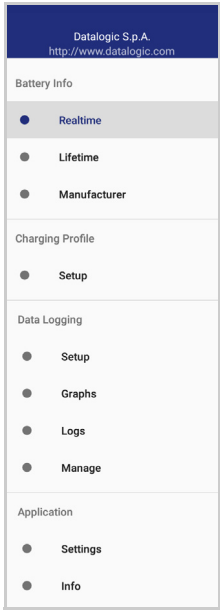
NOTES

DL Battery Manager

This application provides information about the battery features and status, allows to configure the battery charging profile and to log battery data.

Tap **All Apps** > **DL Battery Manager** icon, then tap the menu icon on the top left corner of the screen, or swipe right to display the menu.



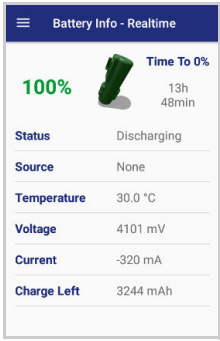

Datalogic S.p.A.
http://www.datalogic.com
Battery Info
Realtime
Lifetime
Manufacturer
Charging Profile
Setup
Data Logging
Setup
Graphs
Logs
Manage
Application
Settings
Info

Battery Info

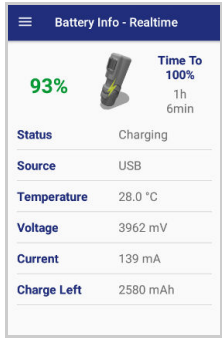
The **Battery Info** section provides information about the battery's health, capacity, manufacturer, level and charging status.

Battery Info - Realtime

This window provides real-time information about the battery.



Discharge Mode



Charge Mode

The top section shows the battery level and the time left to full discharge (when in discharge mode) and to full charge (when in charge mode).

Status

Displays the charging status.

Source

Displays the charging source.

Temperature

Displays the real-time temperature.

Voltage

Displays the real-time voltage.

Current

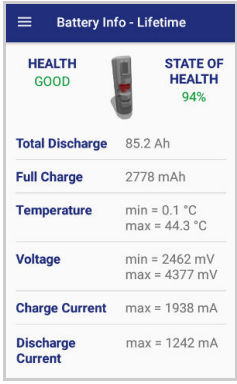
Displays the real-time current.

Charge Left

Shows how much battery power is left.

Battery Info - Lifetime

This window displays information and statistics about battery life, health and usage over its whole life cycle.



Health

Shows the current battery health and signals potential errors.

State of Health

Shows the current battery's health level.

Total Discharge

Shows how much the battery has been used over its whole life cycle.

Full Charge

Shows the actual maximum capacity available to the user.

Temperature

Shows the maximum and minimum temperature reached by the battery.

Voltage

Shows the maximum and minimum voltage reached by the battery.

Charge Current

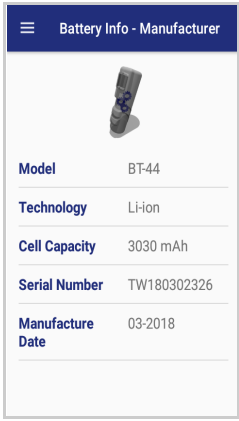
Shows the maximum charge current.

Discharge Current

Shows the maximum discharge current.

Battery Info - Manufacturer

This window displays the model name, the type, the nominal capacity, the serial number and the manufacture date of the battery.



Charging Profile

Charging Profile - Setup

This window allows to customize the charging process according to the user's needs and priorities.

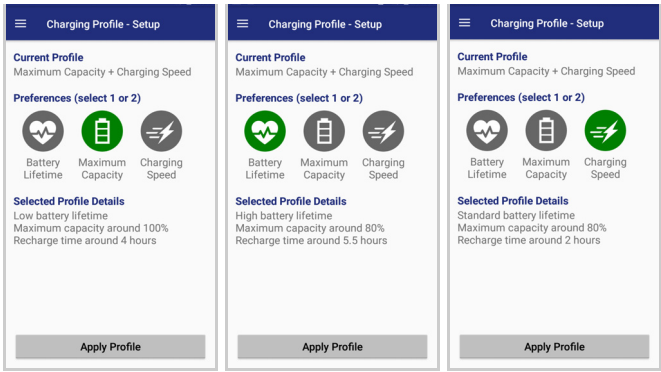
To configure a charging profile, select 1 or 2 of the following preferences:

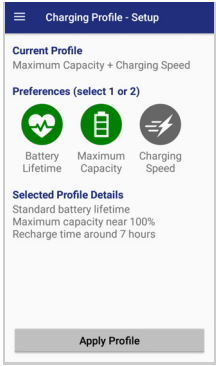
- Battery Lifetime.
- Maximum Capacity.
- Charging Speed.

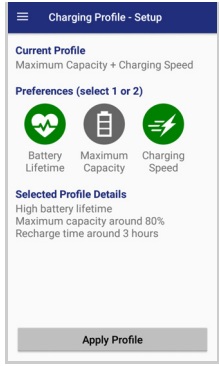
If a third preference is selected, the system will automatically clear the oldest option.

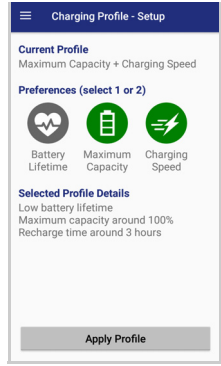
Tap **Apply Profile** to confirm.

You can configure up to 6 different charging profiles:









Once you have set your profile, it will be applied by default whenever you charge the device.

You can change your profile at any time, even during charging.

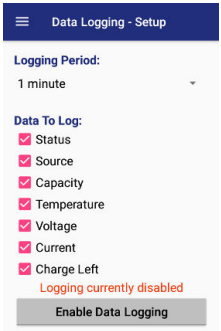
Data Logging

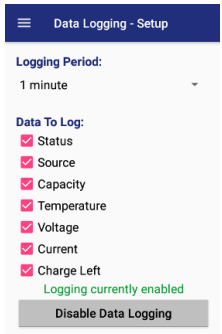
The data logging feature allows to collect, store, display and analyze minute-by-minute battery data.

Setup

Use the **Setup** window to select the data you want to log.

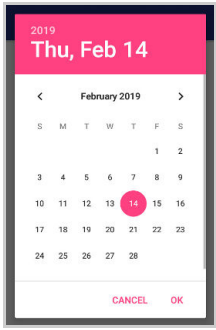
The data logging is disabled by default. To enable it, tap **Enable Data Logging**. When enabled, the log is always running, even when the device is in suspend mode.



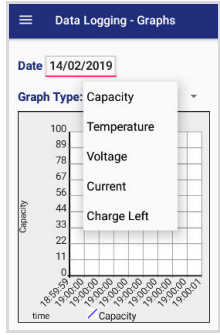


Graphs

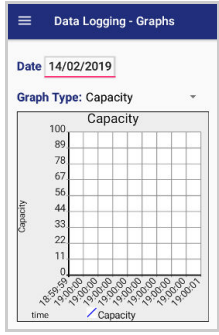
The **Graphs** window provides a graphical display of selected data on a specific date.



Select Date

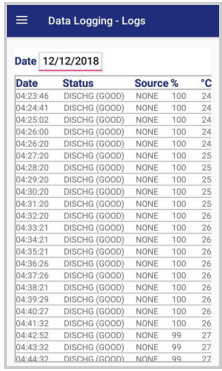


Select Data



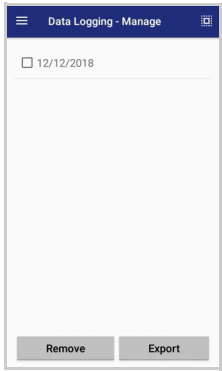
Logs

The **Logs** window displays data details by date.

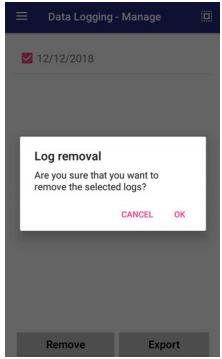


Manage

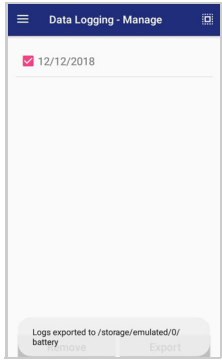
The **Manage** window allows to remove or export logs.



Select one or more logs and tap **Remove** to remove them. Tap **OK** to confirm:



Select one or more logs and tap **Export** to export data and store them for extended periods. Tap **Allow** to confirm:

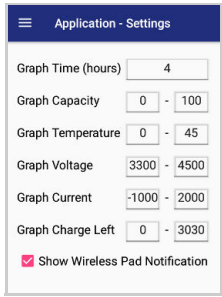


The selected log files will be saved in the "battery" folder in the internal storage of your device.

Application

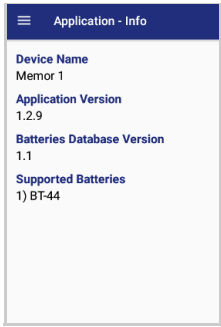
Settings

The **Settings** section allows to set the value ranges that will be used to create the graphs.



Info

The **Info** section displays information about the device name and the software version.



If you charge the Memor 1 with a wireless charging pad, you're not allowed to customize the charging profile.

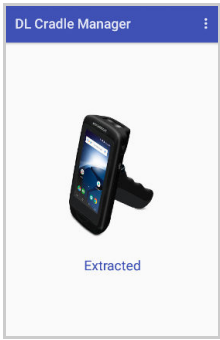
If the **Show Wireless Pad Notification** check box is selected, the system displays a warning message saying that the charging profile won't be applied.

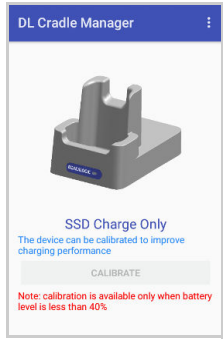
Show Wireless Pad Notification is enabled by default. To disable it, clear the **Show Wireless Pad Notification** check box.

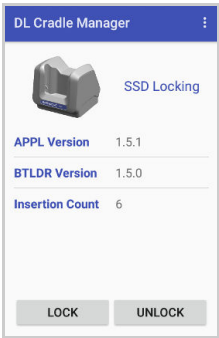
DL Cradle Manager

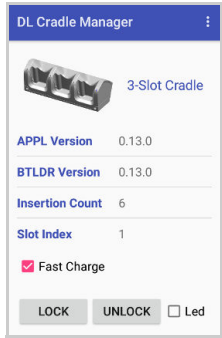
This application provides information about the cradle you're currently using and allows to enable/disable some of its properties.

Below are some screenshots showing the different cradle options:



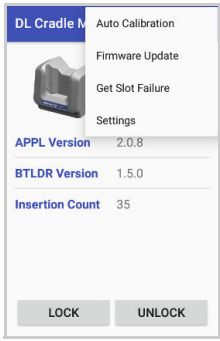






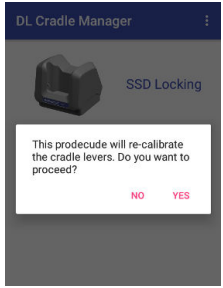
If the Memor 1 is inserted into the Single Slot Dock Locking or into the 3-Slot Cradle, you can unlock and lock the device without using the unlock key, by tapping the **UNLOCK** and **LOCK** buttons.

In addition, you have further details and options. Tap the menu icon on the right top of the screen ⋮:



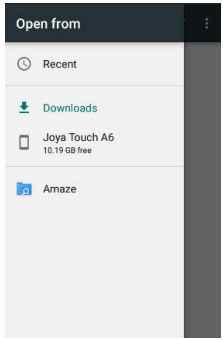
Auto Calibration

Tap to re-calibrate the cradle levers in case of a bad calibration failure notification (See Single Slot Dock Locking LED Indicators on page 16 and 3-Slot Cradle LED Indicators on page 20).



Firmware Update

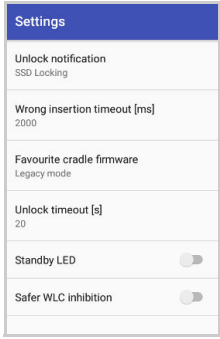
The **DL Cradle Manager** window displays the cradle firmware version and the number of insertions made. Tap **Firmware Update** to update the firmware:



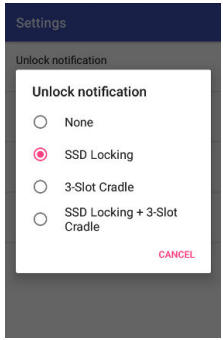
Get Slot Failure

In case of a failure notification, it displays the reason of the failure. (See Single Slot Dock Locking LED Indicators on page 16 and 3-Slot Cradle LED Indicators on page 20).

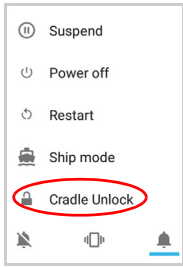
Settings



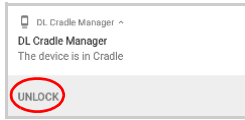
Unlock Notification



If enabled, it allows you to unlock the cradle from the Power Menu and the Status Bar:



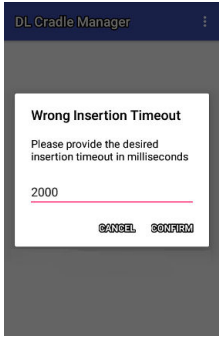
Power Menu



Status Bar

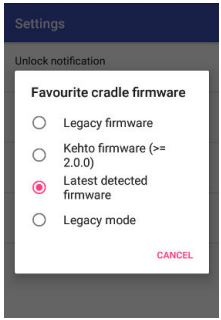
Wrong Insertion Timeout

You can set the time lapse after which a "wrong insertion" notification is sent. Tap **Wrong insertion timeout [ms]** and digit your desired insertion timeout:



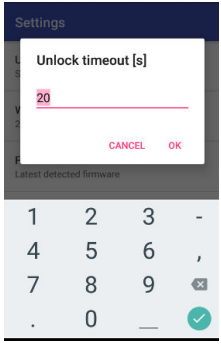
Favourite Cradle Firmware

Tap **Favourite cradle firmware** to select the cradle firmware:



Unlock Timeout

You can set the time available to the user to unlock the cradle after tapping the **UNLOCK** button. Tap **Unlock timeout [s]** and digit your desired unlock timeout:



The 3-Slot Cradle screen has 3 more fields:

- **Slot Index** indicates the slot into which the device is inserted.
- **Fast Charge** is enabled by default. Clear the check box to reduce the charging speed of the slot.
- **Led** turns on the bottom LED anytime you unlock the device. It is disabled by default.

Standby LED

If enabled, when the dock is powered and no device is inserted, the Power On LED gives a short blink every few seconds. (See Single Slot Dock Locking LED Indicators on page 16).

This feature is only available in the Single Slot Dock Locking.

Safer WLC inhibition

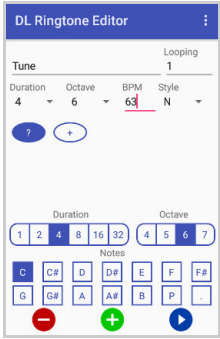
If enabled, it inhibits the wireless charging when the lever is open.

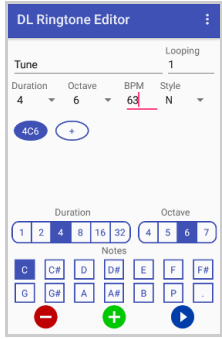
DL Ringtone Editor

DL Ringtone Editor allows to create, edit and save your own ringtones and notifications.

Enter the name for the new ringtone in the **Ringtone Name** field and tap (+) to add the first note.

Set the note, the duration and the octave by selecting the desired options. You can also set the BPM and the style.





Repeat the procedure for each new note.

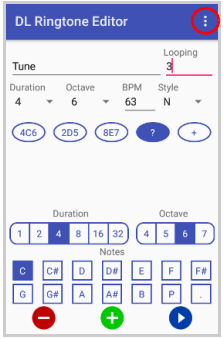
Tap (−) to remove a note.

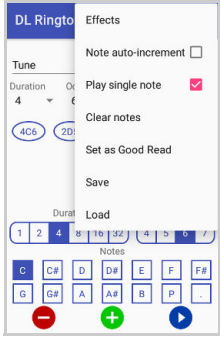
Tap (+) to add a new note.

Tap (▶) to play the ringtone.

Enter the number of loops in the **Looping** fields.

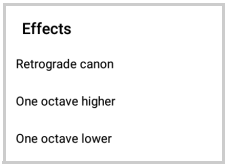
Tap the menu icon on the right top of the screen for more options:





Effects

Allows to add the following effects to the ringtone:



Note auto-increment

If enabled, you can add a new note without tapping the button .

Play single note

Select to play notes while editing.

Clear notes

Clears all the notes.

Set as Good Read

Set the ringtone as good read notification.

Save

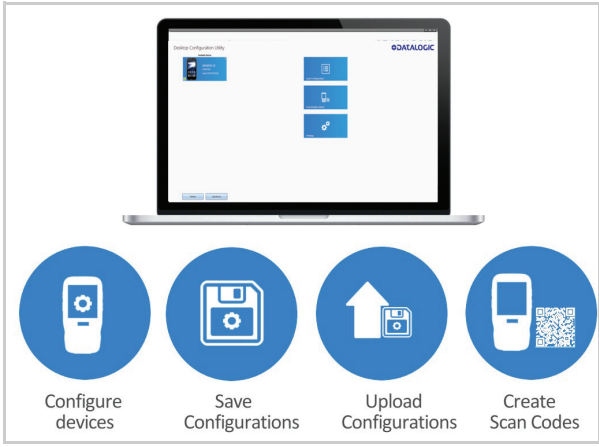
When the ringtone is ready, tap **Save** on the menu list to save the ringtone. The audio file will be saved in the "Ringtones" folder in the internal storage of your device.

Load

Loads a file from the device's internal storage.

Desktop Configuration Utility (DXU)

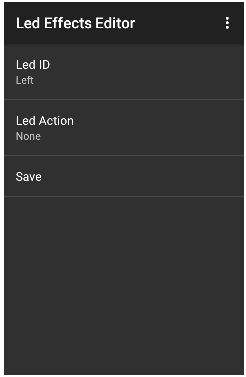
Datalogic DXU is a unified device configuration utility and firmware update utility. DXU can connect directly to the Memor 1 that connects either directly to a PC via USB or remotely over a network via Wi-Fi. DXU reports information about currently connected devices.



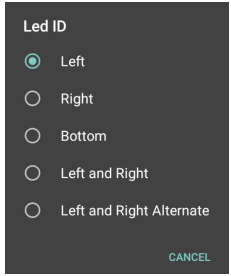
For more details on DXU installation, configuration and functioning, visit the website: https://datalogic.github.io/dxu/.

Led Effects Editor

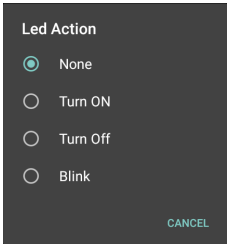
This application allows to create and save customized LED effects.



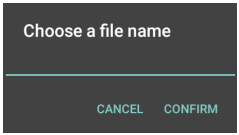
Tap **Led ID** to select the LED you want to assign to the effect.



Tap **Led Action** to configure the LED behaviour.



Tap **Save** to name and save the effect.



ProximityCalibrate

The proximity sensor measures the distance of a surface from the Memor 1 data capture window (see the picture below).

ProximityCalibrate is a wizard that helps you to calibrate the sensor's distance measurement.

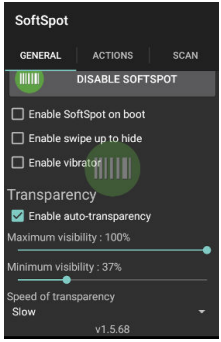
Scan2Deploy

Scan2Deploy is a configuration tool that uses special barcode labels. For more details, visit the website: https://datalogic.github.io/dxu/scan2deploy/.

SoftSpot™

Datalogic's SoftSpot technology is a user-definable "floating soft trigger" meant to provide easy access to the barcode scanner application and other frequently used functionalities on mobile scanning devices.

Tap the SoftSpot icon on the favorites tray or on the All Apps screen to launch SoftSpot:



Tap the SoftSpot to scan barcodes.

Enable/Disable SoftSpot

Enables/disables the SoftSpot.

Enable SoftSpot on boot

Select it to enable SoftSpot on boot.

Enable swipe to hide

Allows to hide the SoftSpot from the screen by swiping it up in the Notification/Status bar.

Enable vibrator

Enables the vibrator.

Enable auto-transparency

If selected, the SoftSpot turns transparent automatically when it is not used.

Maximum visibility

Sets the SoftSpot transparency level when it is used or when the auto-transparency feature is not enabled.

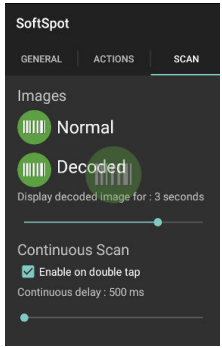
Minimum visibility

Sets the SoftSpot transparency level when it is not used and the auto-transparency feature is enabled.

Speed of transparency

Sets the lapse of time it takes for the SoftSpot to turn transparent.

To enable the Continuous Scan mode and scan barcodes consecutively, tap **SCAN** and select the **Enable on double tap** check box:



Then double-tap the SoftSpot. Tap one more time to stop laser emission.

You can also configure the SoftSpot from the DXU. For more details on DXU, Desktop Configuration Utility (DXU) on page 133.

Tools

USB ADB Driver & USB CD-ROM

USB connection allows to read and write files on both the internal storage memory and the external storage memory, but doesn't allow to install applications.

Android Debug Bridge (ADB) is a command-line utility included with Google's Android SDK and you can use it to control your device over USB from a computer, copy files back and forth, install and uninstall apps and run shell commands.

Use the USB CD-ROM to install the Windows drivers and then launch ADB to run a shell using the following tool command prompt: **Start/Datalogic Android/Support/Device**.

SDK Add-on

SDK add-on is a library which extends the Android SDK and development tools.

For more information and instructions to install SDK Add-on, Android™ Studio and Android SDK, visit the website https://datalogic.github.io/quick-start/.

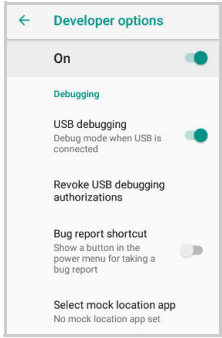
Install ADB Driver

1. Install Android SDK Manager (visit the website https://datalogic.github.io/quick-start/ for further information).
2. Download and install the Google USB Driver (see https://developer.android.com for further information).

NOTE

Before installing the Google USB Driver, ensure you have installed the Datalogic plug-in.

3. In order to use ADB with your device connected over USB, you must enable USB debugging in the device system settings. To enable Android **Developer options**, go to **Settings** > **System** > **Device info** and tap on the **Build Number** section 7 times. After the 7th tap, the Developer options will be unlocked and available. Go back to **Settings** > **System** and tap **Developer options**. Select **USB debugging**:



4. Use a CD-Rom Installer to debug the ADB driver and read the Memor 1 as an ADB device.

Create a New Application based on Datalogic SDK Add-on with Android Studio

For information and instructions to configure Datalogic SDK Add-on in Android Studio, refer to the website

https://datalogic.github.io/quick-start/android-studio.html.

Datalogic SDK

For information on the Datalogic SDK APIs, visit the web site: https://datalogic.github.io/android-sdk-docs/reference/packages.html.

SureLock

With **SureLock** you can secure and lock the Memor 1 to ensure its responsible usage, improve productivity and reduce maintenance cost.

It allows access to only required applications and prevents the users from making any intended or unintended changes in the device. Only administrators can access the password protected settings to either modify lockdown configurations or exit the lockdown.

You can use DXU Desktop to remotely accept the SureFox and SureLock EULAs for all devices consuming a.dxu configuration file.

A Datalogic Standard version of **SureLock** is preloaded only on No GMS Models. You can download it/ upgrade to the Advanced version at the following link:

https://www.42gears.com/products/surelock.

Refer to the SureLock Documentation for Android on the 42Gears website for further details on **SureLock**.

SureFox

Businesses require use of browsers to run web applications on devices with Android and there may be situations when controlled web access for the users is required to ensure appropriate use of the devices.

SureFox creates locked browsing environment in your devices with Android making them apt for deployments as public web kiosks or as field devices for your mobile workforce. You can specify the websites that you wish to allow. **SureFox** will then block all other websites and allow the users to browse the allowed websites in locked down kiosk mode.

You can use DXU Desktop to remotely accept the SureFox and SureLock EULAs for all devices consuming a.dxu configuration file.

SureFox is not preloaded on the Memor 1. You can download it at the following link:

https://www.42gears.com/products/surefox-secure-browser.

Refer to the SureFox Documentation for Android on the 42Gears website for further details on **SureFox**.

NOTES

Data Capture

The Memor 1 has an integrated imager that collects data by scanning barcodes.

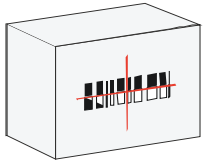
See Scanner Settings on page 74 for instructions on configuring the scanner settings.

Imager Data Capture

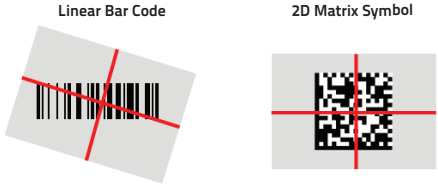
The imager uses digital camera technology to take a digital picture of a barcode, the image is stored in memory and software decoding algorithms are executed to extract the data from the image. The omni-directional scanning does not require that the operator orient the barcode to align with the scan pattern.

To scan a barcode symbol:

1. Point the scan window at the barcode from a distance within the reading range.
2. Press the Scan Key or the Scan Trigger. The imager projects a laser aiming pattern similar to those used on cameras. The aiming pattern is used to position the barcode or object within the field of view.



3. Center the symbol in any orientation within the aiming pattern. Ensure the entire symbol is within the rectangular area formed by the brackets in the aiming pattern, then either wait for the timeout or release the Scan Key to capture the image. A red beam illuminates the symbol, which is captured and decoded.



If the scan has been successful:

- If enabled, the good read LED turns on (see LED Indicators on page 54 and Led Notifications on page 70).

- If enabled, the good read beep plays.
- If enabled, the Green Spot projects a green spot onto the barcode image.
- The barcode type and content data display on the screen.

The field of view changes its size as you move the reader closer or farther away from the barcode. The aiming pattern is smaller when the imager is closer to the barcode and larger when it is farther from the barcode.

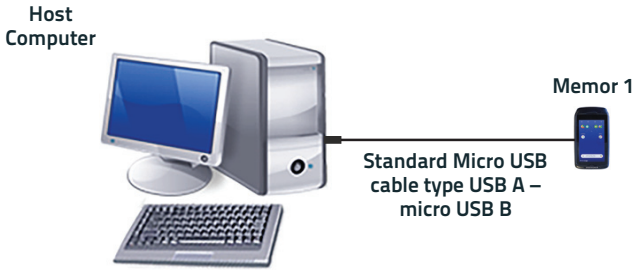
Scan symbols with smaller bars or elements (mil size) closer to the unit and those with larger bars or elements (mil size) farther from the unit. Hold the Memor 1 between two and nine inches (depending on symbol density) from the symbol, centering the aiming pattern cross hairs on the symbol.

NOTES

USB Connection

USB Direct Connection

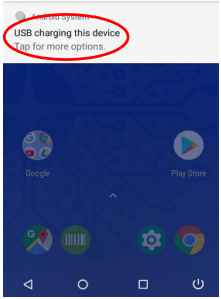
You can use any standard micro USB cable to directly connect the Datalogic Memor 1 to a host computer to transfer data through the USB interface.

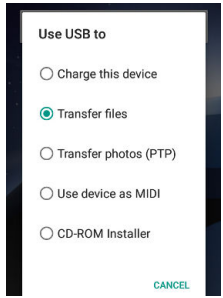


NOTE

Connection through the cable complies to USB 2.0 standard.

To enable file transfer after you connected your device, scroll down the notification bar and tap the **USB charging thhis device** notification:

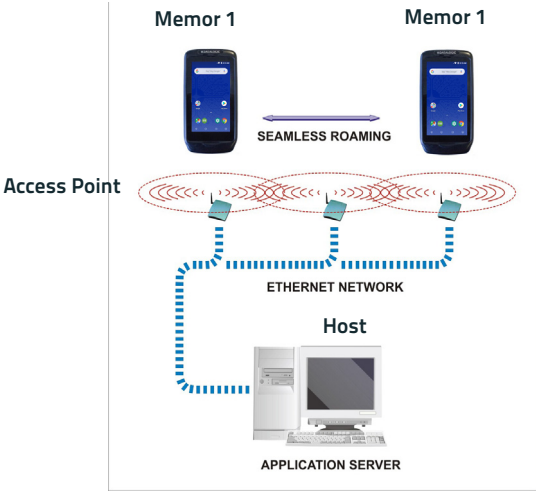




Tap **File transfers** if you want to transfer all types of media to and from the Memor 1, or tap **Photo transfer (PTP)** if you just want to transfer the pictures.

Wi-Fi Connection

The Memor 1 Wi-Fi 802.11 a/b/g/n radio models can communicate with the host using the on-board radio frequency component and an Access Point connected to the host computer. To launch this utility you can tap the specific icon if it's visible on the taskbar or you can open Connections folder or Control Panel from desktop.



NOTE

Wi-Fi module is on by default, in order to avoid wasting energy, you can switch it off using the Wireless Communications applet.

NOTE

Suspending the terminal powers off the 802.11 a/b/g/n radio and drops the radio connection. When the terminal resumes, depending on the radio power mode and security protocol selected, it may take up to 30 seconds for the 802.11 a/b/g/n radio driver to re-associate the radio to the network.

NOTE

Area coverage and radio performance may vary, due to environmental conditions, access point types or interference caused by other devices (microwave ovens, radio transmitters, etc.).

Bluetooth® Serial Connection

Memor 1 models can communicate with a Bluetooth® printer, using the on-board Bluetooth® module.

NOTE

Bluetooth® is only available in Memor 1 plus models.

NOTE

In order to extend battery life, the Bluetooth® module is off by default. If you need to have Bluetooth® working, the module must be powered on.

NOTE

Suspending the terminal powers off the Bluetooth® radio and drops the Bluetooth® connection. When the terminal resumes, it takes approximately 10 seconds for the Bluetooth® radio driver to re-initialize the radio.

Area coverage and Bluetooth® radio performance may vary, due to environmental conditions or interference caused by other devices (microwave ovens, radio transmitters, etc.).

Wireless and Radio Frequencies Warnings

WARNING

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the product and may violate laws and regulations.

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals generated by Memor 1.

Datalogic recommends persons with pacemakers or other medical devices to follow the same recommendations provided by Health Industry Manufacturers Associations for mobile phones.

Persons with pacemakers:

- **Should ALWAYS keep this device more than twenty five (25) cm from their pacemaker and/or any other medical device;**
- **Should not carry this device in a breast pocket;**
- **Should keep the device at the opposite side of the pacemaker and/or any other medical device;**
- **Should turn this device OFF or move it immediately AWAY if there is any reason to suspect that interference is taking place.**
- **Should ALWAYS read pacemaker or any other medical device guides or should consult the manufacturer of the medical device to determine if it is adequately shielded from external RF energy.**

In case of doubt concerning the use of wireless devices with an implanted medical device, contact your doctor.

WARNING

Turn this device OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may use equipment that could be sensitive to external RF energy.

WARNING

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

WARNING

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If a vehicle's wireless equipment is improperly installed and the air bag inflates, serious injury could result.

WARNING

Turn off the device when in any area with a potentially explosive atmosphere. Observe restrictions and follow closely any laws, regulations, warnings and best practices on the use of radio equipment near fuel storage areas or fuel distribution areas, chemical plants or where any operation involves use of explosive materials.

Do not store or carry flammable liquids, explosive gases or materials with the device or its parts or accessories.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked or shown.

Sparks in such areas could cause an explosion or fire, resulting in injury or even death.

NOTES

Technical Features

Technical Data

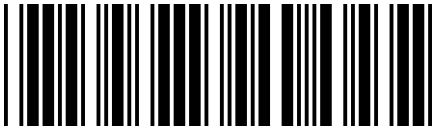
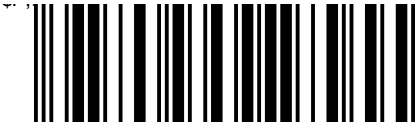
Physical Characteristics	
Display	4.3 inch full touch TFT-LCD color display; FWVGA: 854 x 480 pixels; 16M colors, LED backlight
Touch Screen	Capacitive, multi-touch, Gorilla® Glass 3
Physical Keys	**Handheld**: Scan fully programmable key **Pistol Grip**: Scan key and scan trigger, both fully programmable
LED/ Lighting	Software programmable, lights at the bottom of the battery cover
Dimensions	**Handheld**: 14.5 x 7.7 x 3.4 cm / 5.7 x 3.0 x 1.3 in **Pistol Grip:** 14.5 x 7.7 x 11.6 cm / 5.7 x 3.0 x 4.5 in
Weight (with Battery)	**Handheld**: 275.0 g / 9.7 oz **Pistol Grip**: 305.0 g / 10.7 oz
Electrical	
Battery	Replaceable battery pack with rechargeable Li-Ion batteries; Rated Voltage 3,75V, Minimum capacity 3030 mAh, Charge Voltage 4,35V
Wireless Charging	Six charging profiles

Environmental	
Drop Resistance	Withstands repeated drops from 1.2 m / 4.0 ft onto plywood over concrete and 1.5 m / 5.0 ft onto plywood over concrete with the rubber boot accessory
Temperature	Operating: -10 to 50°C / 14 to 122°F
Interfaces	
Interfaces	USB 2.0 client (with standard Micro-USB connector)
Sensors	
Accelerometer	3-Axis accelerometer to detect orientation
Gyroscope	Senses angular velocity
Magnetometer	Measure magnetic field
Vibration	Software programmable
Wireless Communications	
Local Area Network (WLAN)	IEEE 802.11 a/b/g/n; Wi-Fi Security Standards: WEP, WPA/WPA2 PSK, 802.1x EAP Methods: PEAP/MSCHAPV2, PEAP/GTC, TLS, TTLS/PAP, TTLS/MSCHAP, TTLS/ MSCHAPV2, TTLS/GTC, PWD
Personal Area Network (WPAN)	Bluetooth® wireless technology v4.0 - Dual Mode, supporting Classic Bluetooth and BLE
NFC Communication	NFC communication between device and dock

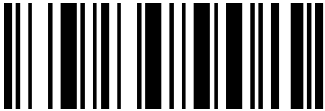
Reading Performance	
Image Sensor	WVGA: 752 x 480 pixels
Light Source	Illumination: White or red LEDs (depending on model) Aiming: 650 nm VLD
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. 1D barcode 5.0 mils: 6.5 to 21.0 cm / 2.6 to 8.2 in 1D barcode 13.0 mils: 5.5 to 39.0 cm / 2.2 to 15.2 in Data Matrix 15.0 mils: 4.0 to 25.0 cm / 1.6 to 9.8 in
Minimum Resolution	Linear codes at 4 mils; 2D codes at 5 mils
Reading Indicators	Loudspeaker (Polyphonic); Datalogic's patented "Green Spot" technology for visual good-read feedback
Print Contrast Minimum	25%
Scanning Angles	Pitch: ± 60°; Skew: ± 60°; Roll: up to ± 180°
Decoding Capability	
1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes
2D Codes	Aztec Code, Data Matrix, MaxiCode, PDF417, MicroPDF417, Micro QR Code, QR Code, DotCode
Postal Codes	Australian Post, Japanese Post, KIX Code, Royal Mail, USPS Intelligent Mail, USPS PLANET, USPS POSTNET
Digital Watermarks	Supports Digimarc® Barcode (optional)

Software	
Applications	Datalogic's SoftSpot technology for configurable soft triggers;
Provisioning	Android Zero Touch enrollment
Configuration and Maintenance	Datalogic X Platform Configuration Utility (DXU)
Development	Java and Xamarin SDK available
Supported MDM (not pre-installed)	SOTI MobiControl, VMWare AirWatch, Wavelink Avalanche
Supported Terminal Emulation (not pre-installed)	StayLinked SmartTE, Wavelink Velocity
System	
Memory	System RAM: 2 GB; System Flash: 16 GB Flash Disk
CPU	Qualcomm Snapdragon 210 Quadcore 1 GHz
Operating System	Android 8.1 (Oreo) with or without GMS
Safety & Regulatory	
Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use
Enviromental Compliance	Complies to EU RoHS
Warranty	
Warranty	1-Year Factory Warranty

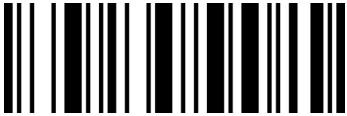
Test Codes

High Density Codes - 0.25 mm (10 mils)
Code 39  17162
Interleaved 2/5  0123456784
Code 128   test

High Density Codes (continued) - 0.25 mm (10 mils)
80% EAN 13
80% EAN 8

Medium Density Codes - 0.38 mm (15 mils)
Code 39   17162
Interleaved 2/5   0123456784
Code 128  test

Medium Density Codes (continued) - 0.38 mm (15 mils)
100% EAN 13
100% EAN 8

Low Density Codes - 0.50 mm (20 mils)
Code 39   17162
Interleaved 2/5   0123456784
Code 128  test

Low Density Codes (continued) - 0.50 mm (20 mils)
120% EAN 13
120% EAN 8

2D Codes
Datamatrix ECC200   Example
Inverse Datamatrix ECC200   Example

NOTES

Maintenance

Cleaning the Device

Periodically clean the Memor 1 device using a soft cloth slightly dampened with only water or Isopropyl Alcohol (70%).

Do not use any other cleaning agents (e.g. different alcohol, abrasive or corrosive products, solvents) or abrasive pads to clean the device.

Do not spray or pour liquids directly onto the device.

The device is not water resistant. Keep it dry.

Ergonomic Recommendations

In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- Reduce or eliminate repetitive motion
- Maintain a natural position
- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures.

Safety and Regulatory Information

NOTE

Read this manual carefully before performing any type of connection to the Memor 1.

The user is responsible for any damage caused by incorrect use of the equipment or by inobservance of the indication supplied in this manual.

General Safety Rules

- Before using the device and the battery pack, read carefully the chapter Charge the Device on page 13.
- Use only the components and accessories supplied by the manufacturer for the specific Memor 1 being used.
- Do not attempt to disassemble the Memor 1, as it does not contain parts that can be repaired by the user. Any tampering will invalidate the warranty.
- When replacing the battery pack or at the end of the operative life of the Memor 1, disposal must be performed in compliance with the laws in force in your jurisdiction.
- Do not submerge the Memor 1 in liquid products.
- For further information or support, refer to this manual and to the Datalogic web site: www.datalogic.com.

Power Supply

The device is intended to be supplied by a self-contained rechargeable Lithium Ion battery pack (UL listed LPS/SELV power source) and/or by UL Listed/CSA Certified Power Unit LPS/SELV power source which supplies power directly to the unit via the micro USB connector of the cable.

The device could be also used with Certified Accessories (Dock/Cradle) which supply Wireless power. The Dock/Cradle accessories are intended to be supplied by a UL Listed/CSA Certified Power Unit LPS/SELV rating 12V, min 5A power source which supplies power via the power connector of the cable.

Any changes or modifications to equipment, not expressly approved by Datalogic could void the user's authority to operate the equipment.

Laser Safety

The following information applies to Laser Aiming System, used on Memor 1 Imager.

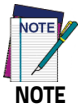
The laser light is visible to the human eye and is emitted from the window indicated in the figure below.

LASER LIGHT - DO NOT STARE INTO BEAM

CLASS 2 LASER PRODUCT

MAX OUTPUT RADIATION 1 mW

COMPLIANT WITH EN 60825-1:2007 and EN 60825-1:2014



NOTE

The artwork below may be only a draft. Please refer to the label attached to the product for information about certification marks.

Scan Window
Laser Warning Label
Data Label
S/N: G18G03793 P/N: 944700003
MODEL: MEMOR 1
TYPE: A00AN04HL0GT0AN
INPUT: 5V ⎓ 1.5A
Made in VN MFD: JULY 2018
Patent. See www.patents.datalogic.com for patent list.
Refer au manuel d'utilisation
(Brand Owner Details)

ITALIANO	DEUTSCH	FRANÇAIS	ESPAÑOL
LA LUCE LASER È VISIBILE ALL'OCCHIO UMANO E VIENE EMESSA DALLA FINESTRA INDICATA NELLA FIGURA.	DIE LASER-STRAHLUNG IST FÜR DAS MENSCHLICHE AUGE SICHTBAR UND WIRD AM STRAHLAUS TRITTSFENSTER AUSGESENDET (SIEHE BILD)	LE RAYON LASER EST VISIBLE À L'OEIL NU ET IL EST ÉMIS PAR LA FENÊTRE DÉSIGNÉE SUR L'ILLUSTRATION DANS LA FIGURE	A LUZ LÁSER ES VISIBLE AL OJO HUMANO Y ES EMITIDA POR LA VENTANA INDICADA EN LA FIGURA.
LUCE LASER NON FISSARE IL FASCIO APPARECCHIO LASER DI CLASSE 2 MASSIMA POTENZA MEDIA DI USCITA: 1 mW LUNGHEZZA D'ONDA EMESSA: 630~680 nm CONFORME A EN 60825-1 (2007) e EN 60825-1:2014.	LASERSTRAHLUNG NICHT IN DER STRAHL BLINKEN PRODUKT DER LASERKLASSE 2 MAXIMALE DURCHSCHNITTLICHE AUSGANGLEISTUNG: 1 mW WELLENLÄNGE: 630~680 nm ENTSPR. EN 60825-1 (2007) und EN 60825-1:2014.	RAYON LASER EVITER DE REGARDER LE RAYON APPAREIL LASER DE CLASSE 2 MAXIMUM PUISSANCE MOYENNE DE SORTIE: 1 mW LONGUER D'ONDE EMISE: 630~680 nm CONFORME A EN 60825-1 (2007) et EN 60825-1:2014.	RAYO LÁSER NO MIRAR FIJO EL RAYO APARATO LÁSER DE CLASE 2 MÁXIMA POTENCIA MEDIA DE SALIDA: 1 mW LONGITUD DE ONDA EMITIDA: 630~680 nm CONFORME A EN 60825-1 (2007) y EN 60825-1:2014.

ENGLISH

The following information is provided to comply with the rules imposed by international authorities and refers to the correct use of your device.

STANDARD LASER SAFETY REGULATIONS

This product conforms to the applicable requirements of both CDRH 21 CFR 1040 and EN 60825-1 at the date of manufacture.

For installation, use and maintenance, it is not necessary to open the device.

WARNING

Do not attempt to open or otherwise service any components in the optics cavity. Opening or servicing any part of the optics cavity by unauthorized personnel may violate laser safety regulations. The optics system is a factory only repair item.

WARNING

Use of controls or adjustments or performance of procedures other than those specified herein may result in exposure to hazardous visible laser light.

The product utilizes a low-power laser diode. Although staring directly at the laser beam momentarily causes no known biological damage, avoid staring at the beam as one would with any very strong light source, such as the sun. Avoid shining laser light into any person's eye, even through reflective surfaces such as mirrors, etc.

WARNING

Use of optical systems with the scanner will increase eye hazard. Optical instruments include binoculars, microscopes, eye glasses and magnifying glasses.

ITALIANO

Le seguenti informazioni vengono fornite dietro direttive delle autorità internazionali e si riferiscono all'uso corretto del terminale.

NORMATIVE STANDARD PER LA SICUREZZA LASER

Questo prodotto risulta conforme alle normative vigenti sulla sicurezza laser alla data di produzione: CDRH 21 CFR 1040 e EN 60825-1.

Non si rende mai necessario aprire l'apparecchio per motivi di installazione, utilizzo o manutenzione

ATTENZIONE

Non tentare di accedere allo scomparto contenete i componenti ottici o di farne la manutenzione.

L'apertura dello scomparto, o la manutenzione di qualsiasi parte ottica da parte di personale non autorizzato, potrebbe violare le norme della sicurezza. Il sistema ottico può essere riparato solamente alla fabbrica.

ATTENZIONE

L'utilizzo di procedure o regolazioni differenti da quelle descritte nella documentazione può provocare un'esposizione pericolosa a luce laser visibile.

Il prodotto utilizza un diodo laser a bassa potenza. Sebbene non siano noti danni riportati dall'occhio umano in seguito ad una esposizione di breve durata, evitare di fissare il raggio laser così come si eviterebbe qualsiasi altra sorgente di luminosità intensa, ad esempio il sole. Evitare inoltre di dirigere il raggio laser negli occhi di un osservatore, anche attraverso superfici riflettenti come gli specchi.

ATTENZIONE

L'uso di strumenti ottici assieme allo scanner può aumentare il pericolo di danno agli occhi. Tali strumenti ottici includono cannocchiali, microscopi, occhiali e lenti di ingrandimento.

DEUTSCH

Die folgenden Informationen stimmen mit den Sicherheitshinweisen überein, die von internationalen Behörden auferlegt wurden, und sie beziehen sich auf den korrekten Gebrauch vom Terminal.

NORM FÜR DIE LASERSICHERHEIT

Dies Produkt entspricht am Tag der Herstellung den gültigen EN 60825-1 und CDRH 21 CFR 1040 Normen für die Lasersicherheit.

Es ist nicht notwendig, das Gerät wegen Betrieb oder Installations-, und Wartungs-Arbeiten zu öffnen.

ACHTUNG

Unter keinen Umständen darf versucht werden, die Komponenten im Optikhohlraum zu öffnen oder auf irgendwelche andere Weise zu warten. Das Öffnen bzw. Warten der Komponenten im Optikhohlraum durch unbefugtes Personal verstößt gegen die Laser-Sicherheitsbestimmungen. Das Optiksystem darf nur werkseitig repariert werden.

ACHTUNG

Jegliche Änderungen am Gerät sowie Vorgehensweisen, die nicht in dieser Betriebsanleitung beschreiben werden, können ein gefährliches Laserlicht verursachen.

Der Produkt benutzt eine Laserdiode. Obwohl zur Zeit keine Augenschäden von kurzen Einstrahlungen bekannt sind, sollten Sie es vermeiden für längere Zeit in den Laserstrahl zu schauen, genauso wenig wie in starke Lichtquellen (z.B. die Sonne). Vermeiden Sie es, den Laserstrahl weder gegen die Augen eines Beobachters, noch gegen reflektierende Oberflächen zu richten.

ACHTUNG

Die Verwendung von Optiksystemen mit diesem Scanner erhöht die Gefahr einer Augenbeschädigung. Zu optischen Instrumenten gehören unter anderem Ferngläser, Mikroskope, Brillen und Vergrößerungsgläser.

FRANÇAIS

Les informations suivantes sont fournies selon les règles fixées par les autorités internationales et se réfèrent à une correcte utilisation du terminal.

NORMES DE SECURITE LASER

Ce produit est conforme aux normes de sécurité laser en vigueur à sa date de fabrication: CDRH 21 CFR 1040 s et EN 60825-1.

Il n'est pas nécessaire d'ouvrir l'appareil pour l'installation, l'utilisation ou l'entretien.

ATTENTION

Ne pas essayer d'ouvrir ou de réparer les composants de la cavité optique. L'ouverture de la cavité optique ou la réparation de ses composants par une personne non qualifiée peut entraîner le nonrespect des règles de sécurité relatives au laser. Le système optique ne peut être réparé qu'en usine.

ATTENTION

L'utilisation de procédures ou réglages différents de ceux donnés ici peut entraîner une dangereuse exposition à lumière laser visible.

Le produit utilise une diode laser. Aucun dommage aux yeux humains n'a été constaté à la suite d'une exposition au rayon laser. Eviter de regarder fixement le rayon, comme toute autre source lumineuse intense telle que le soleil. Eviter aussi de diriger le rayon vers les yeux d'un observateur, même à travers des surfaces réfléchissantes (miroirs, par exemple).

ATTENTION

L'utilisation d'instruments optiques avec le scanneur augmente le danger pour les yeux. Les instruments optiques comprennent les jumelles, les microscopes, les lunettes et les verres grossissants.

ESPAÑOL

Las informaciones siguientes son presentadas en conformidad con las disposiciones de las autoridades internacionales y se refieren al uso correcto del terminal.

NORMATIVAS ESTÁNDAR PARA LA SEGURIDAD LÁSER

Este aparato resulta conforme a las normativas vigentes de seguridad láser a la fecha de producción: CDRH 21 CFR 1040 y EN 60825-1.

No es necesario abrir el aparato para la instalación, la utilización o la manutención.

ATENCIÓN

No intente abrir o de ninguna manera dar servicio a ninguno de los componentes del receptáculo óptico. Abrir o dar servicio a las piezas del receptáculo óptico por parte del personal no autorizado podría ser una violación a los reglamentos de seguridad. El sistema óptico se puede reparar en la fábrica solamente.

ATENCIÓN

La utilización de procedimientos o regulaciones diferentes de aquellas describidas en la documentación puede causar una exposición peligrosa a la luz láser visible.

El aparato utiliza un diodo láser a baja potencia. No son notorios daños a los ojos humanos a consecuencia de una exposición de corta duración. Eviten de mirar fijo el rayo láser así como evitarían cualquiera otra fuente de luminosidad intensa, por ejemplo el sol. Además, eviten de dirigir el rayo láser hacia los ojos de un observador, también a través de superficies reflectantes como los espejos.

ATENCIÓN

El uso de sistemas ópticos con el escáner aumentará el riesgo de daños oculares. Los instrumentos ópticos incluyen binoculares, microscopios, lentes y lupas.

LED Class

LED illuminator integrated in the imager engine is classified as 'EXEMPT RISK GROUP" according to IEC62471.

Marking and European Economic Area (EEA) CE

In radio systems configured with mobile computers and access points, the frequencies to be used must be allowed by the spectrum authorities of the specific country in which the installation takes place. Be absolutely sure that the system frequencies are correctly set to be compliant with the spectrum requirements of the country. The Radio modules used in this product automatically adapt to the frequencies set by the system and do not require any parameter settings.

Simplified EU Declaration of Conformity

Hereby, Datalogic S.r.l. declares that the radio equipment type Memor 1 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.datalogic.com.

Statement of Compliance

cs Česky [Czech]	Datalogic S.r.l. tímto prohlašuje, že tento Memor 1 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/53/EU - 2011/65/EU.
da Dansk [Danish]	Undertegnede Datalogic S.r.l. erklærer herved, at følgende udstyr Memor 1 overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU - 2011/65/EU.
de Deutsch [German]	Hiermit erklärt Datalogic S.r.l., dass sich das Gerät Memor 1 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/53/EU - 2011/65/EU befindet.
et Eesti [Estonian]	Käesolevaga kinnitab Datalogic S.r.l. seadme Memor 1 vastavust direktiivi 2014/53/EU - 2011/65/EU põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
en English	Hereby, Datalogic S.r.l. declares that Memor 1 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU and 2011/65/EU.
es Español [Spanish]	Por medio de la presente Datalogic S.r.l. declara que el Memor 1 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/53/EU - 2011/65/EU.
el Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Datalogic S.r.l. ΔΗΛΩΝΕΙ ΟΤΙ Memor 1 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU - 2011/65/EU.

fr Français [French]	Par la présente Datalogic S.r.l. déclare que l'appareil Memor 1 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU - 2011/65/EU.
it Italiano [Italian]	Con la presente Datalogic S.r.l. dichiara che questo Memor 1 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/EU - 2011/65/EU.
Latviski [Latvian]	Ar šo Datalogic S.r.l. deklarē, ka Memor 1 atbilst Direktīvas 2014/53/EU - 2011/65/EU būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo Datalogic S.r.l. deklaruoja, kad šis Memor 1 atitinka esminius reikalavimus ir kitas 2014/53/EU - 2011/65/EU Direktyvos nuostatas.
nl Nederlands [Dutch]	Hierbij verklaart Datalogic S.r.l. dat het toestel Memor 1 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EU - 2011/65/EU.
mt Malti [Maltese]	Hawnhekk, Datalogic S.r.l., jiddikjara li dan Memor 1 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 2014/53/EU - 2011/65/EU.
hu Magyar [Hungarian]	Alulírott, Datalogic S.r.l. nyilatkozom, hogy a Memor 1 megfelel a vonatkozó alapvetõ követelményeknek és az 2014/53/EU - 2011/65/EU irányelv egyéb elõírásainak.
pl Polski [Polish]	Niniejszym Datalogic S.r.l. oświadcza, że Memor 1 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/53/EU - 2011/65/EU.
pt Português [Portuguese]	Datalogic S.r.l. declara que este Memor 1 está conforme com os requisitos essenciais e outras disposições da Directiva 2014/53/EU - 2011/65/EU.
sl Slovensko [Slovenian]	Datalogic S.r.l. izjavlja, da je ta Memor 1 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 2014/53/EU - 2011/65/EU.
Slovensky [Slovak]	Datalogic S.r.l. týmto vyhlasuje, že Memor 1 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/53/EU - 2011/65/EU.

fi Suomi [Finnish]	Datalogic S.r.l. vakuuttaa täten että Memor 1 tyyppinen laite on direktiivin 2014/53/EU - 2011/65/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
sv Svenska [Swedish]	Härmed intygar Datalogic S.r.l. att denna Memor 1 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/EU - 2011/65/EU.

Information for the User

Restrictions of use in all EU Countries. This device is restricted to indoor use when operated in the 5.15 to 5.25 GHz frequency range.

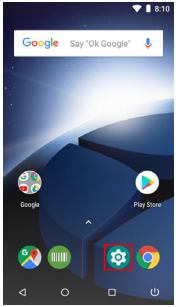
해당무선설비는 운용중 전파혼신가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음.

FCC/IC Labeling

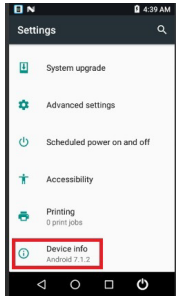
Handheld variants with WLAN+BT radios	Pistol Grip variants with WLAN+BT radios
FCC ID: U4GJTAWB IC: 3862E-JTAWB HVIN: JTAWB HH	FCC ID: U4GJTAWB IC: 3862E-JTAWB HVIN: JTAWB GUN

To display the FCC/IC label on the device, do the following steps:

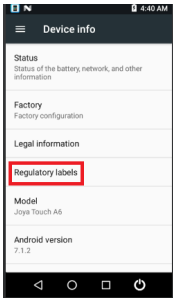
1. Tap the **Setting** icon:



2. Tap **Device info**:



3. Tap **Regulatory labels**:



The FCC/IC label will be displayed:

FCC Compliance

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.

NOTICE:

This device is restricted to indoor use when operated in the 5.15 to 5.25 GHz frequency range. Changes or modifications made to this equipment not expressly approved by Datalogic S.r.l. may void the FCC authorization to operate this equipment.

NOTE: 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.

ISED Compliance

NOTICE:

This device complies with Industry Canada licence-exempt RSS standard(s).

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.

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.

CAUTION:

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

AVERTISSEMENT:

(i) les dispositifs fonctionnant dans la bande 5 150-5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Radiofrequency Radiation Exposure Information

This device was tested for handheld and body-worn conditions, according to international Standards covering human exposure to electromagnetic fields from radio devices.

More information about the relevant Standards for SAR measurement methods and procedures may be found in the CE DoC included in the product user manual available at www.datalogic.com website and at the FCC public listing www.fcc.gov under the FCC IDs specified in the FCC/IC labeling section.

Europe

This device is compliant with SAR limits for general population/uncontrolled exposure specified in Council Recommendation 1999/519/EC Annex II.

US and Canada

For body worn operation, this device has been tested and meets the

FCC/ISED RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 0 cm from the body. Use of other enhancements may not ensure compliance with FCC/ISED RF exposure guidelines.

Cet équipement peut être installé et utilisé à une distance minimale de 0 cm entre le radiateur et votre corps.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter, expect those approved under the filing.

IFETEL: RCPDAJO18-0356-A1

Radio Technologies and Frequency Bands

Memor 1 incorporates the following radio technologies and supports the corresponding Frequencies and Radio-Frequency transmitted power, as specified below:

Europe

Radio Technology	Frequency Bands
WLAN IEEE 802.11b/g/n (HT-20)	2.4GHz Frequency Bands: 2.412 - 2.472 MHZ
WLAN IEEE 802.11a/n (HT-20)	5GHz Frequency Bands: 5.180 - 5.240 MHz 5.260 - 5.320 MHz 5.500 - 5.700 MHz
Bluetooth V4.0 - EDR/LE	2402 - 2480 Mhz

US and Canada

Radio Technology	Frequency Bands
WLAN IEEE 802.11b/g/n (HT-20)	2.4GHz Frequency Bands: 2.412 - 2.462 MHZ
WLAN IEEE 802.11a/n (HT-20)	5GHz Frequency Bands: 5.180 - 5.240 MHz 5.260 - 5.320 MHz 5.500 - 5.700 MHz 5.735 - 5.825 MHz
Bluetooth V4.0 - EDR/LE	2402 - 2480 Mhz

WEEE Compliance

Information for the user

At the end of its useful life, the product marked with the crossed out wheeled wastebin must be disposed of separately from urban waste.

For more detailed information about disposal, contact the supplier that provided you with the product in question or consult the dedicated section at the website http://www.datalogic.com.

Informazione per gli utenti

L'apparecchiatura che riporta il simbolo del bidone barrato deve essere smaltita, alla fine della sua vita utile, separatamente dai rifiuti urbani.

Per maggiori dettagli sulle modalità di smaltimento, contattare il Fornitore dal quale è stata acquistata l'apparecchiatura o consultare la sezione dedicata sul sito http://www.datalogic.com.

Information aux utilisateurs

Au terme de sa vie utile, le produit qui porte le symbole d'un caisson à ordures barré ne doit pas être éliminé avec les déchets urbains.

Pour obtenir des informations complémentaires concernant l'élimination, veuillez contacter le fournisseur auprès duquel vous avez acheté le produit ou consulter la section consacrée au site Web http://www.datalogic.com.

Información para el usuario

Al final de su vida útil, el producto marcado con un simbolo de contenedor de bassura móvil tachado no debe eliminarse junto a los desechos urbanos.

Para obtener una información más detallada sobre la eliminación, por favor, póngase en contacto con el proveedor donde lo compró o consultar la sección dedicada en el Web site http://www.datalogic.com.

Benutzerinformation bezüglich

Am Ende des Gerätelebenszyklus darf das Produkt nicht über den städtischen Hausmüll entsorgt werden. Eine entsprechende Mülltrennung ist erforderlich.

Weitere Informationen zu dieser Richtlinie erhalten sie von ihrem Lieferanten über den sie das Produkt erworben haben, oder besuchen sie unsere Hompage unter http://www.datalogic.com.

NOTES

Support Through the Website

Datalogic provides several services as well as technical support through its website. Log on to www.datalogic.com.
For quick access, from the home page click on the search icon , and type in the name of the product you're looking for. This allows you access to download Data Sheets, Manuals, Software & Utilities, and Drawings.
Hover over the Support & Service menu for access to Services and Technical Support.

Reference Documentation

For further information regarding Memor 1 refer to the SDK Help on-line and to the Memor 1 User's Manual, downloadable from our developer portal:
https://developer.datalogic.com/mobile-computers.

Warranty Terms and Conditions

The warranty period is 1 year for the device and 90 days for consumables (e.g. battery, power supply, cable etc.) from date of purchase at our company.

NOTES

Glossary

Access Point

A networking hardware device that allows a Wi-Fi device to connect to a wired network. The AP usually connects to a router (via a wired network) as a standalone device, but it can also be an integral component of the router itself. An AP is differentiated from a hotspot, which is the physical location where Wi-Fi access to a WLAN is available.

ASCII

American Standard Code for Information Interchange. A 7 bit-plus-parity code representing 128 letters, numerals, punctuation marks and control characters. It is a standard data transmission code in the U.S.

Barcode

A pattern of variable-width bars and spaces which represents numeric or alphanumeric data in binary form. The general format of a barcode symbol consists of a leading margin, start character, data or message character, check character (if any), stop character, and trailing margin. Within this framework, each recognizable symbology uses its own unique format.

Bit

Binary digit. One bit is the basic unit of binary information. Generally, eight consecutive bits compose one byte of data. The pattern of 0 and 1 values within the byte determines its meaning.

Bluetooth@

A standard radio technology using a proprietary protocol. The onboard Bluetooth@ module in the device is compatible with the 2.1 protocol with Enhanced Data Rate (EDR).

Boot

The process a computer goes through when it starts. During boot, the computer can run self-diagnostic tests and configure hardware and software.

Byte

On an addressable boundary, eight adjacent binary digits (0 and 1) combined in a pattern to represent a specific character or numeric value. Bits are numbered from the right, 0 through 7, with bit 0 the low-order bit. One byte in memory can be used to store one ASCII character.

CDRH

Center for Devices and Radiological Health. A federal agency responsible for regulating laser product safety. This agency specifies various laser operation classes based on power output during operation.

Character

A pattern of bars and spaces which either directly represents data or indicates a control function, such as a number, letter, punctuation mark, or communications control contained in a message.

Decode

To recognize a barcode symbology (e.g., Codabar, Code 128, Code 3 of 9, UPC/EAN, etc.) and convert the content of the barcode scanned from a visual pattern into electronic data.

Density (Barcode Density)

The number of characters represented per unit of measurement (e.g., characters per inch).

Depth of Field (DOF)

The portion of a scene that appears acceptably sharp in the image. Although a lens can precisely focus at only one distance, the decrease in sharpness is gradual on each side of the focused distance, so that within the DOF, the unsharpness is imperceptible under normal viewing conditions.

Dock

A dock is used for charging the terminal battery and for communicating with a host computer, and provides a storage place for the terminal when not in use.

Firmware

A software program or set of instructions programmed on a hardware device. It provides the necessary instructions for how the device communicates with the other computer hardware. Firmware is typically stored in the flash ROM of a hardware device. While ROM is "read-only memory," flash ROM can be erased and rewritten because it is actually a type of flash memory.

Flash Memory

Non-volatile memory for storing application and configuration files.

Host

A computer that serves other mobile computers in a network, providing services such as network control, database access, special programs, supervisory programs, or programming languages.

IEEE 802.11

A set of standards carrying out wireless local area network (WLAN) computer communication in the 2.4, 3.6 and 5 GHz frequency bands. They are created and maintained by the IEEE LAN/MAN Standards Committee.

IP

Internet Protocol. The IP part of the TCP/IP communications protocol. IP implements the network layer (layer 3) of the protocol, which contains a network address and is used to route a message to a different network or subnetwork. IP accepts 'packets" from the layer 4 transport protocol (TCP or UDP), adds its own header to it and delivers a 'datagram" to the layer 2 data link protocol. It may also break the packet into fragments to support the maximum transmission unit (MTU) of the network.

IP Address

(Internet Protocol address) The address of a computer attached to an IP network. Every client and server station must have a unique IP address. A 32-bit address used by a computer on a IP network. Client workstations have either a permanent address or one that is dynamically assigned to them each session. IP addresses are written as four sets of numbers separated by periods; for example, 204.171.64.2.

Laser

Light Amplification by Stimulated Emission of Radiation.The laser is an intense light source. Light from a laser is all the same frequency, unlike the output of an incandescent bulb. Laser light is typically coherent and has a high energy density.

Laser Diode

A gallium-arsenide semiconductor type of laser connected to a power source to generate a laser beam. This laser type is a compact source of coherent light.

Light Emitting Diode (LED)

A low power electronic light source commonly used as an indicator light. It uses less power than an incandescent light bulb but more than a Liquid Crystal Display (LCD).

Liquid Crystal Display (LCD)

A display that uses liquid crystal sealed between two glass plates. The crystals are excited by precise electrical charges, causing them to reflect light outside according to their bias. They use little electricity and react relatively quickly. They require external light to reflect their information to the user.

MIL

1 mil = 1 thousandth of an inch.

Parameter

A variable that can have different values assigned to it.

RAM

Random Access memory. Data in RAM can be accessed in random order, and quickly written and read.

Resolution

The narrowest element dimension which is distinguished by a particular reading device or printed with a particular device or method.

RF

Radio Frequency.

Scanner

An electronic device used to scan barcode symbols and produce a digitized pattern that corresponds to the bars and spaces of the symbol. Its three main components are:

- Light source (laser or photoelectric cell) - illuminates a barcode.
- Photodetector - registers the difference in reflected light (more light reflected from spaces).
- Signal conditioning circuit - transforms optical detector output into a digitized bar pattern.

SDK

Software Development Kit.

Symbol

A scannable unit that encodes data within the conventions of a certain symbology, usually including start/stop characters, quiet zones, data characters and check characters.

Symbology

The structural rules and conventions for representing data within a particular barcode type (e.g. UPC/EAN, Code 39, PDF417, etc.).

USB

Universal Serial Bus. Type of serial bus that allows peripheral devices (disks, modems, printers, digitizers, data gloves, etc.) to be easily connected to a computer. A 'plug-and-play" interface, it allows a device to be added without an adapter card and without rebooting the computer (the latter is known as hot-plugging). The USB standard, developed by several major computer and

telecommunications companies, supports data-transfer speeds up to 12 megabits per second, multiple data streams, and up to 127 peripherals.

Voice over IP (VOIP)

Voice over Internet Protocol (also voice over IP, VoIP or IP telephony) is a methodology and group of technologies for the delivery of voice communications and multimedia sessions over Internet Protocol (IP) networks, such as the Internet. The terms Internet telephony, broadband telephony, and broadband phone service specifically refer to the provisioning of communications services (voice, fax, SMS, voice-messaging) over the public Internet, rather than via the public switched telephone network (PSTN).

WLAN

A Wireless Local Area Network links devices via a wireless distribution method (typically spread-spectrum or OFDM radio), and usually provides a connection through an access point to the wider internet. This gives users the mobility to move around within a local coverage area and still be connected to the network.

WPAN

A Wireless Personal Area Network is a personal area network - a network for interconnecting devices centered around an individual person's workspace - in which the connections are wireless. Typically, a wireless personal area network uses some technology that permits communication within about 10 meters - in other words, a very short range.

DATALOGIC

www.datalogic.com

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