

 **DATALOGIC**

**memor<sup>™</sup> 10**

Rugged Mobile Computer with 1D/2D Imager



**User's Manual**

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### **Patents**

See [www.patents.datalogic.com](http://www.patents.datalogic.com) for patent list.



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# Introduction

## Conventions

This manual uses the following conventions:

"PDA", "mobile computer", "device" and "Memor 10" refer to the Memor 10.

"Dock" and "Single Dock" refer to the Memor 10 Single Slot Dock.

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

## Product Presentation

The Memor 10 PDA incorporates the latest smartphone technologies and the user friendly experience of Android™ in a slim and compact design, combined with high performance 1D/2D bar code scanning and industrial robustness for almost any indoor or outdoor environment.

The Memor 10 is powered by a superior octa-core platform clocked at 2 GHz for top performance with the most demanding applications, and features Android 8.1 (Oreo) with Google Mobile Services (GMS).

Moreover, it is one of the first rugged mobile computers to be validated by Google for the 'Android Enterprise Recommended' program for rugged devices.

The Memor 10 incorporates Datalogic's industry-first wireless charging system for ultra-reliable contactless charging, thus eliminating the need for cleaning contacts on the device and docks. In addition, it offers a 1-piece swappable battery for the best operational advantage.

The Memor 10 leverages a complete set of embedded wireless technologies for both indoor and outdoor applications: dual band Wi-Fi including the latest 802.11ac standard, Bluetooth® v4.2 with BLE for fast and ultralow power connections, NFC for easy pairing, and particularly the cellular area voice and data connectivity, already leveraging the next generation of LTE-Advanced/4G+.

## Features

- Ultra-Ergonomic, compact and robust
- 5 inch capacitive multi-touch HD display with Dragontrail™ hardened glass
- Android 8.1 (Oreo) with Google Mobile Services



- Wireless charging eliminates all contacts on the device and cradle
- Ruggedized with drop resistance to 1.5m / 5ft to concrete and IP65 sealing
- Dual band Wi-Fi including the latest 802.11ac standard and 802.11r/k for fast roaming
- Full suite of cellular connectivity for voice and data, featuring LTE-Advanced/4G+
- Assisted GPS for location based apps
- Bluetooth v4.2 short range wireless technology
- NFC for proximity communications
- Advanced 2D ultra-slim imager with Datalogic's patented 'Green Spot' technology for visual good-read feedback
- Datalogic's SoftSpot™ technology for innovative triggering through the touch display
- Chemical resistant plastics / enclosure designed to withstand daily cleaning with harsh disinfectant solutions
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI.

## Available Models

The Memor 10 is available in different models depending on the features it is equipped with. All options are listed below:

### Americas Models

- 944350004 Memor 10 Full Touch PDA, NA, Wi-Fi + LTE, Ultra-slim 2D Imager w Green Spot, Android v8.1 with GMS, Black Color .
- 944350005 Memor 10 HC Full Touch PDA, NA, Wi-Fi + LTE, Ultra-slim 2D Imager w Green Spot, Android v8.1 with GMS, White Color.
- 944350006 Memor 10 Full Touch PDA, NA, Wi-Fi + LTE, Ultra-slim 2D Imager w Green Spot, Android v8.1 No GMS, Black Color.

### EMEA and Row Models

- 944350001 Memor 10 Full Touch PDA, EMEA + ROW, Wi-Fi + LTE, Ultra-slim 2D Imager w Green Spot, Android v8.1 with GMS, Black Color.
- 944350002 Memor 10 HC Full Touch PDA, EMEA + ROW, Wi-Fi + LTE, Ultra-slim 2D Imager w Green Spot, Android v8.1 with GMS, White Color.
- 944350003 Memor 10 Full Touch PDA, EMEA + ROW, Wi-Fi + LTE, Ultra-slim 2D Imager w Green Spot, Android v8.1 No GMS, Black Color.

For further details about the Memor 10 models refer to the web site:  
<http://www.datalogic.com>.

For further information regarding Android refer to the website:  
[www.android.com](http://www.android.com).

## Out of the Box

The Memor 10 package contains:

- Memor 10 PDA
- Rechargeable one-piece battery pack
- Handstrap (standard models)
- Handstrap in cleanable version for Healthcare (Healthcare models)
- USB Type-C cable
- Quick Start Guide
- Safety & Regulatory Addendum
- End User License Agreement (EULA) Sheet

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

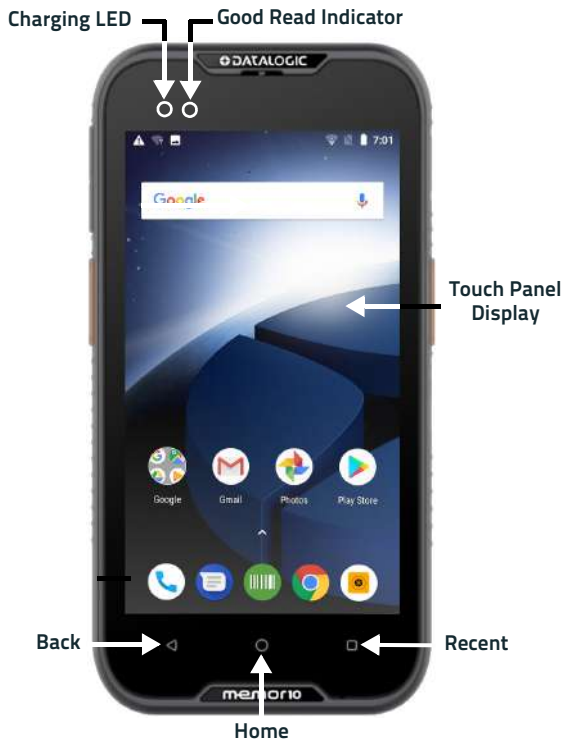


**CAUTION**

**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

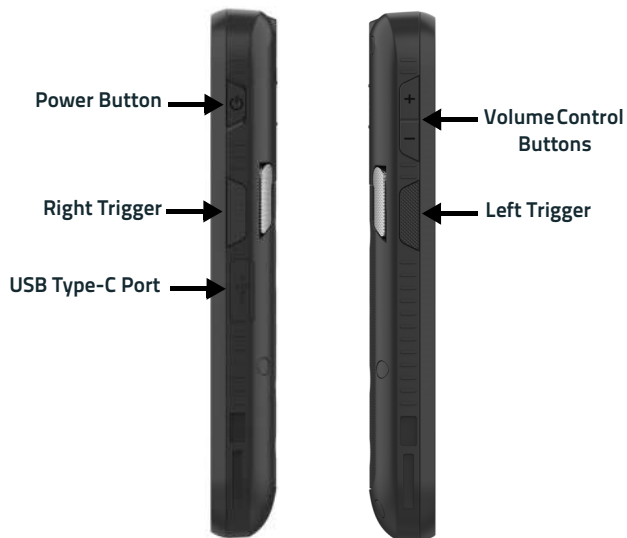
### Front View



## Back View



## Side View



## Top View





**CAUTION**

**Do not apply any sticker to the Memor 10.**



## Accessories

### Docks

94A150095	Dock, Single Slot, Memor 10, Black Color (requires power supply 94ACC0197 and power cord to be purchased separately)
94A150098	Dock, Single Slot, Healthcare, Memor 10, White Color (requires power supply 94ACC0197 and power cord to be purchased separately)
94A150096	Dock, Triple Slot, Memor 10, Black Color (requires power supply 94ACC0197 and power cord to be purchased separately)
94A150097	Vehicle Dock, Memor 10, Black Color (Includes 12/24V CLA adapter)
95ACC1113	POWER LINE CORD, 3-PIN IEC C13, USA
95ACC1213	POWER LINE CORD, 3-PIN IEC C13, UK
95A051041	POWER LINE CORD, 3-PIN IEC C13, EU
95ACC1215	POWER LINE CORD, 3-PIN IEC C13, AUSTRALIA
95ACC1212	POWER LINE CORD, 3-PIN IEC C13, JAPAN
95ACC1284	POWER LINE CORD, 3-PIN IEC C13, ARGENTINA
94ACC0196	POWER SUPPLY, USB-C, MEMOR 10 (includes 4 regional plugs)
94ACC0197	POWER SUPPLY, DOCKS & CHARGERS, MEMOR 10 (power line cord to be purchased separately)
94A050045	POWER ADAPTER, 12/24VDC CLA, MEMOR 10 (already included with Vehicle Dock)



## General Accessories

94ACC0200	Handstrap, Memor 10 (5 PCS)
94ACC0201	Attachable Pistol-Grip Handle, Memor 10, Black Color (requires Rubber Boot 94ACC0193)
94ACC0202	Pocket clip, Memor 10
94ACC0203	Handstrap, Healthcare, Memor 10, Green Color (5 PCS)

## Batteries/ Battery Chargers

94ACC0191	Battery, Standard, Memor 10, Black Color
94ACC0205	Battery, Healthcare, Memor 10, White Color
94ACC0192	CHARGER, 4 SLOT BATTERY, Memor 10, Black Color
	(requires power supply 94ACC0197 and power cord to be purchased separately)

## Cables

94A050044	Cable from USB-C (Memor 10 PDA) to female USB type A. Device can work only in client mode. Special USB-C OTG cable is needed for Memor 10 to work in host mode. 1.2 m straight.
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## Holsters/ Cases

94ACC0193	RUBBER BOOT, MEMOR 10, Black Color
94ACC0204	RUBBER BOOT, HC, MEMOR 10, Green Color
94ACC0194	WEARABLE HOLDER, MEMOR 10, Black Color
94ACC0195	Holster for Memor 10, contains belt clip

# NOTES



# Battery

## Install the Battery

To install the battery pack, follow the steps below:

1. Rotate the latches to the open position:



2. Insert the battery pack into the slot, bottom first, and press it into place:



3. Rotate the latches to the lock position to lock the cover:



## Charge the Battery

The battery pack is not initially fully charged. After installing the battery, charge it with the USB Type-C or with a dock (single slot dock, 3-slot dock, vehicle dock).

During the charging process the charging LED positioned at the top left side of the display glows red constantly. Once the charging process has been completed, the charging LED glows green constantly.

### Charge with USB

Use the provided USB Type-C cable in conjunction with the power supply adapter (p/n 94ACC0196) to charge the device from a power outlet.

The charger is modular, with one adapter and four switchover plugs.



**Connection through the cable complies to USB Type-C standard.**

**NOTE**

You can also use the USB cable to charge the Memor 10 from any self-powered USB hub or USB port on a computer.

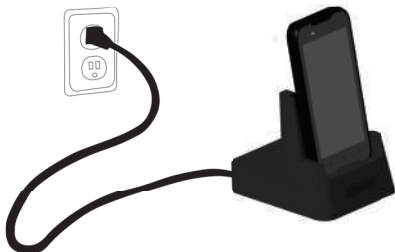


**Use only the Datalogic power supply 94ACC0196 to power the Memor 10.**

## Charge with the dock

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

The dock is able to provide wireless power to the Memor 10 when the device is correctly inserted.



**CAUTION**

**Use only the Datalogic power supply 94ACC0197 to power any of the docks.**



**WARNING**

**Do not attempt to charge any other device different from the Memor 10 devices.**



**Make sure there is nothing between the dock and the device.**

**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).**



**For information on the single slot dock/ 3-slot dock/ vehicle dock/ 4-slot battery charger refer to the Quick Start Guide included in the dock's box.**



---

## Battery Information



**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.**

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. Before using the Memor 10, charge the battery pack as indicated in [Charge the Battery on page 15](#).

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 10 should be charged at an ambient temperature between 0 - 35° C (32 to 122°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 10 gets 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.



**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.**



**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 batteries usagées conformément aux instructions.**



**The adapter shall be installed near the equipment and shall be easily accessible.**

---

## Battery Safety Guidelines



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 and/or fire.

Use the battery box to carry the battery pack, do not put the battery pack in your pocket.

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 terminal.



**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 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.**

# NOTES



## SD Card/ SIM Card

### Install the microSD Card

Memor 10 supports microSD memory cards. To access the microSD card slot and insert the card follow the steps below:

1. Turn off the Memor 10 or put it in **Swap Battery** mode ([Battery Swap](#) on page 34).
2. Rotate the latches to the open position and remove the battery pack:



3. Insert the microSD card with the written part upward:



4. Replace the battery pack ([Install the Battery on page 13, steps 2 to 3.](#))

### **Remove the MicroSD Card**

To remove the microSD card, follow the steps above to access the microSD slot, and remove it from its slot.



## Install the MircoSIM Card

A SIM card stores the subscriber's personal information, GSM/GPRS radio settings, security keys, contacts, etc. SIM cards can be installed in compatible mobile devices, enabling you to switch devices without losing personal and setup information.

Memor 10 supports microSIM cards.

To access the microSIM card slot and insert the card follow the steps below:

1. Turn off the Memor 10 or put it in **Swap Battery** mode ([Battery Swap on page 34](#)).
2. Rotate the latches to the open position and remove the battery pack:



3. Insert the microSIM card with the written part upward:



4. Replace the battery pack ([Install the Battery on page 13, steps 2 to 3.](#))

### **Remove the microSIM Card**

To remove the microSIM card, follow the steps above to access the microSIM card slot, and remove it from its slot.



## Getting Started

### Turn on the Device

To turn on the Memor 10, press and hold the power button for at least 4 seconds.

### Home Screen - GMS Models















## Home Screen - No GMS Models



## Home Screen Items

<b>Notification/Status Bar</b>	Displays the time, status icons (right side), and notification icons (left side).
<b>Favorites Tray</b>	It is like a dock for your home screen. By default, it includes commonly used apps, but you can customize it.

## 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.
	SD storage.

## Suspend Mode

Suspend mode automatically turns the screen off and locks the terminal to save battery power when the terminal is inactive for a programmed period of time.

Press and release the power button to toggle the terminal in or out of suspend mode:



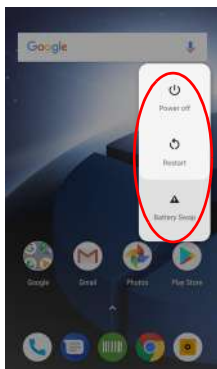
To unlock the home screen, tap anywhere on the screen and drag your finger upward.

To set the timeout limit, see [Suspend Timeout on page 92](#).

---

## Long Press Power Menu

Press and hold the **Power** button until the **Long Press Menu** menu displays:



### Power Off

Tap **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.

### Restart

Tap **Restart** to restart the terminal.

### Battery Swap

See [Battery Swap](#) on page 34.

## Battery Swap

Battery Swap mode is a low power suspend mode that allows you to replace the battery pack without closing files and applications. It maintains the main memory contents and keeps applications running but does not allow you to operate any of the device's functions.

To switch to Swap Battery mode, you have two options:

### Option 1

1. Rotate one battery latch to the open position. The battery swap LED lights up solid red:



2. Wait for the LED to turn solid green and then rotate the other latch to the open position:





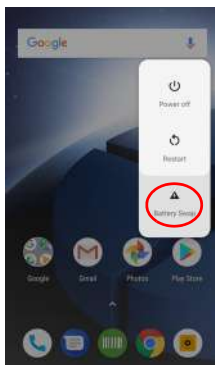
3. Replace the battery.



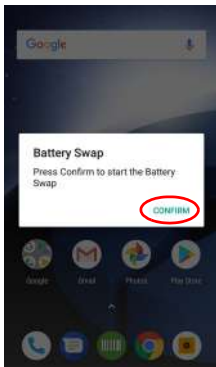
4. Press and release the power button to resume your session.

## Option 2

1. Press and hold the **Power** button to display the **Long Press Menu** and tap **Battery Swap**:



2. Tap **Confirm**:



3. The battery swap LED lights up solid red:



4. Wait for the LED to turn solid green and then rotate the battery latches to the open position:



5. Replace the battery.



6. Press and release the power button to resume your session.



**Be sure to insert a charged battery pack. If the battery is fully discharged, the device may freeze. If this happens, insert a charged battery.**



**CAUTION**

The battery swap procedure is not available when the device is connected via USB cable.



**CAUTION**

The battery swap procedure is not available if the Ni-MH battery is fully discharged.











**NOTE**











Replace the battery pack within 1 minute after its removal from the device.











## Applications

The **All Apps** screen displays icons for all installed applications. The table below lists the default applications installed on the Memor 10.










### GMS Models

Icon	Description
	Calculator - Provides the basic and scientific arithmetic functions.
	Calendar - Lets you manage events and appointments.
	Camera - Use it to take photos or record videos.
	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 <a href="#">DL Battery Manager on page 103</a> )
	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.












Icon	Description
	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 <a href="#">Desktop Configuration Utility (DXU) on page 117</a> ).
	File Manager - It lets you manage files and folders.
	Gmail - Use it to send and receive email.
	Google - Google's own web search engine.
	Maps - Google's own mapping mobile app.
	Messages - Google's official app for texting (SMS, MMS) and chat (RCS).
	Music - Lets you play music stored on the internal storage memory and on the microSD card.
	Phone - Use it to make phone calls.
	Photos - Google's own photo sharing and storage service.

Icon	Description
	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.
	Scan2Deploy - Configuration tool (see <a href="#">Scan2Deploy on page 116</a> ).
	Scanner – Enables data capture (see <a href="#">Data Capture on page 125</a> ).
	Settings - Use it to configure the Memor 10 (see <a href="#">Settings on page 55</a> ).
	SIM Toolkit - Helps manage the SIM card. Use it to view SIM card information, import, export, delete, add or back up phone numbers, send messages and make calls.
	SoftSpot - A configurable application meant to provide easy access to frequently used functionalities (see <a href="#">SoftSpot™ on page 118</a> ).
	Sound Recorder - Use it to record audio.
	Youtube - Google's own video-sharing website

## No GMS Models

Icon	Description
	Browser - Use it to access the Internet or intranet.
	Calculator - Provides the basic and scientific arithmetic functions.
	Calendar - Lets you manage events and appointments.
	Camera - Use it to take photos or record videos.
	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 <a href="#">DL Battery Manager on page 103</a> )
	DXU Agent - Launch to start a pairing with DXU by reading a barcode containing the configuration data of your PC (see <a href="#">Desktop Configuration Utility (DXU) on page 117</a> ).
	Email - Use it to send and receive email.



Icon	Description
	File Manager - It lets you manage files and folders.
	Gallery - Use it to view photos stored on the internal storage memory and on the microSD card.
	Messaging - Use it to send SMS and MMS messages.
	Music - Lets you play music stored on the internal storage memory and on the microSD card.
	Phone - Use it to make phone calls.
	Scan2Deploy - Configuration tool (see <a href="#">Scan2Deploy on page 116</a> ).
	Scanner – Enables data capture (see <a href="#">Data Capture on page 125</a> ).
	Search - Use the Google search engine to search the Internet and the Memor 10.
	Settings - Use to configure the Memor 10 (see <a href="#">Settings on page 55</a> ).
	SoftSpot - A configurable application meant to provide easy access to frequently used functionalities (see <a href="#">SoftSpot™ on page 118</a> ).
	Sound Recorder - Use it to record audio.

## Touch Gestures

<b>Tap</b>	Tap the screen with your finger or with the stylus to open items and select options.
<b>Drag</b>	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.
<b>Tap-and-hold</b>	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.

---

# Reset the Device

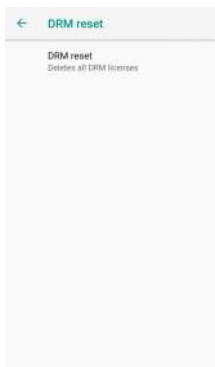
## Configuration Reset

Configuration reset sets the configuration of the device (all its settings) to a known status: the factory status or an enterprise-user-defined status. You can also reset DRM licenses, networks or apps preferences.

### DRM Reset

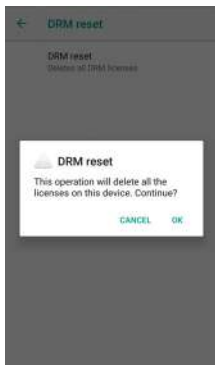
Deletes all DRM licenses.

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



2. Tap **DRM reset**. The following dialog box will appear:

3.

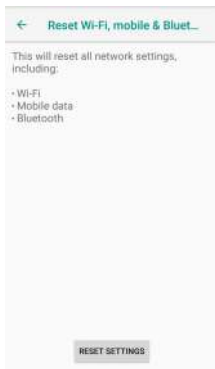


4. Tap **OK**.

## Reset Wi-Fi, Mobile & Bluetooth

Resets all network settings.

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



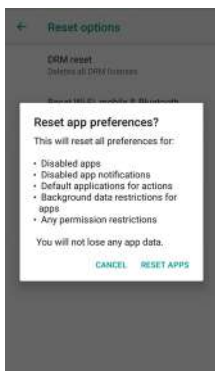
2. Tap **RESET SETTINGS**.

## 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.**

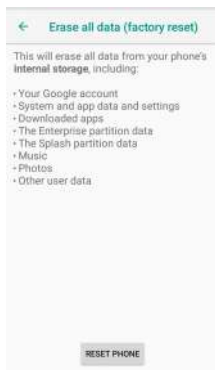


2. Tap **RESET APPS.**

## 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)**.



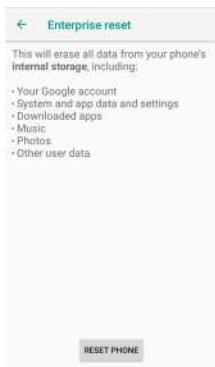
2. Tap **RESET PHONE**.

## 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.**

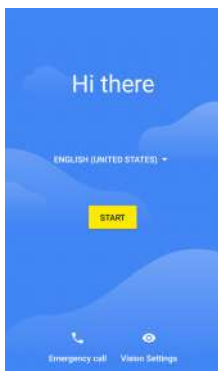


2. Tap **RESET PHONE.**

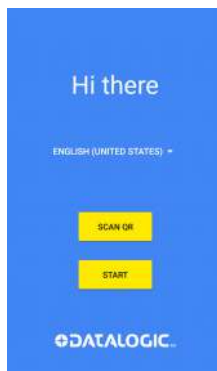


## Setup Wizard

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



**GSM Models**



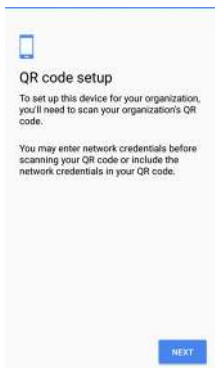
**No GSM Models**

## Device Owner Mode

### GMS Models

To activate Device Owner (DO) mode for Android Enterprise by scanning a QR code:

1. Tap 6 times. The following screen appears:



2. Tap **NEXT** and start the QR setup process. Choose a wifi network and allow the device to download the QR reader.



- When the QR reader installation is complete, scan the QR code with the camera, and 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. The following tables list these indications. The good read LED indicator is programmable, and may or may not be enabled ([Scanner Settings on page 76](#) for more details).

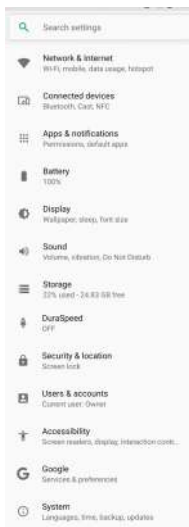
LED	Status	Description
Charging LED	Red Constant	The device is charging.
	Green Costant	Charging is complete.
	Red Blink	Charge fault.
Good Read Indicator	Red	Light is solid red from the time the user presses the scan key until the barcode is decoded, until the scanner times out, or until the user releases the scan key.
	Green	Light changes to solid green when a good decode is completed.



# Settings

## Overview

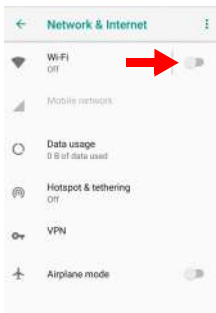
The **Settings** app allows you to check or set system parameters to customize your device. To open the **Settings** screen, tap the **Settings** icons on the **All Apps** screen or pull down the notification panel and then tap the **Settings** icon next to the date:



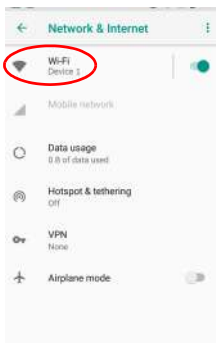
## Network & Internet

### Connect to Wi-Fi Network

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



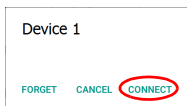
If the device finds a network that you connected to previously, it will connect to it automatically.



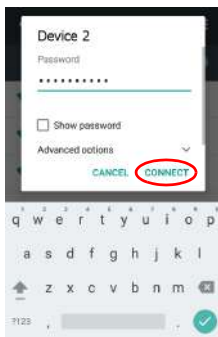
2. Tap **Wi-Fi**. The Memor 10 scans for available Wi-Fi networks within range and lists them. Secured networks are indicated with a lock icon.



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



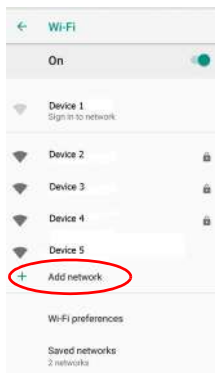
If the network is secured, a dialog box appears requesting information relevant to the network security protocol (e.g., password, key, or certificate). Enter the required information, then tap **Connect**:



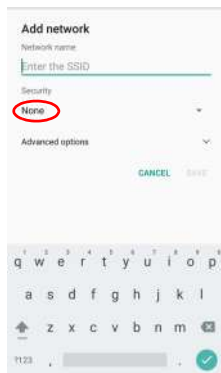


## Add a Wi-Fi Network

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.



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:

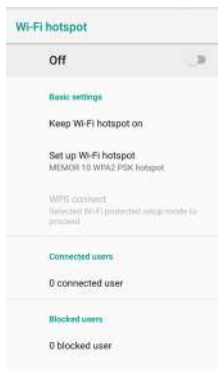
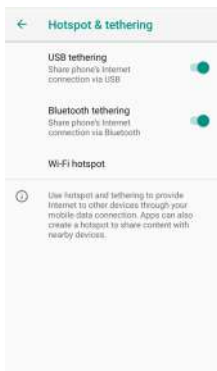


Tap Wi-Fi data usage to display the amount of data used individually by each app.



## Hotspot & Tethering

Use hotspot and tethering to provide Internet to other devices through your mobile data connection. Apps can also create a hotspot to share content with nearby devices.



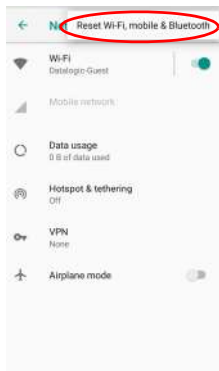
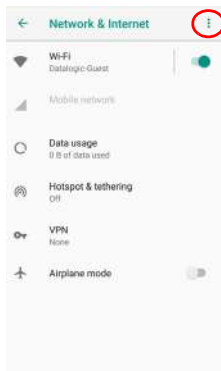
## Airplane Mode

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 47.

# Connected Devices

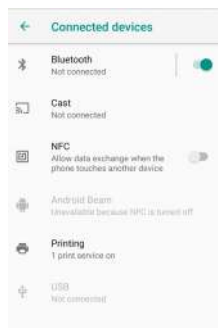
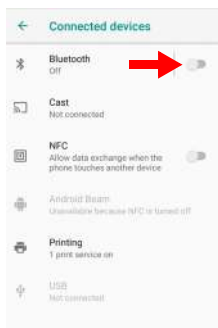
## Bluetooth Settings

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®

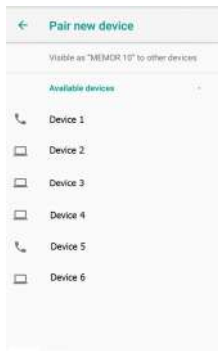
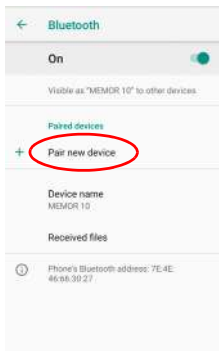
1. To turn on the Bluetooth®, tap **Settings** > **Connected Devices** and switch right to the **Bluetooth On** position.

2.



## 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:

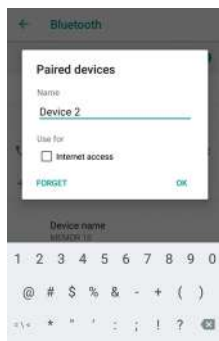
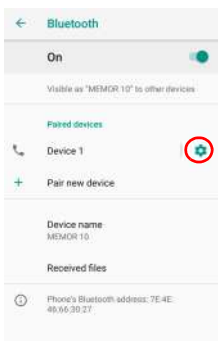


3. Make sure both devices show the same passkey and tap **Pair**.
4. The selected Bluetooth® device is added to the **Paired Devices** list and a paired connection is established.

## Configure, Rename or Unpair Bluetooth@ Devices

Tap **Settings** > **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.

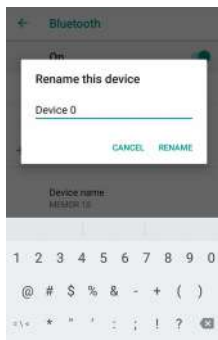
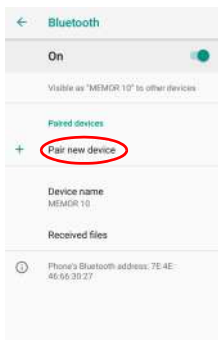


Tap **FORGET** to unpair:



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

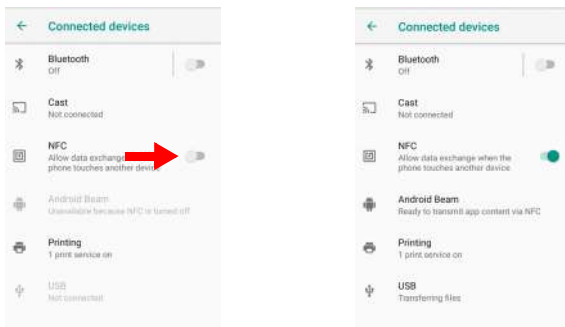




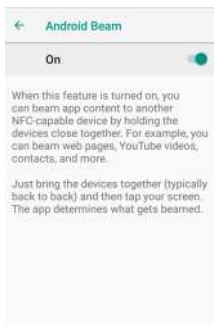
Tap **Rename** to confirm.

## NFC

To enable enable short-range wireless data exchange, tap **Settings > Connected Devices** and switch right to the **NFC On** position.



**Android Beam** is automatically enabled:



# System

## System Update

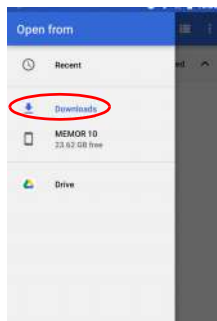
Allows you to upgrade your operative system to the latest version.

To transfer the OTA package from your PC to the Memor 10, follow the steps below:

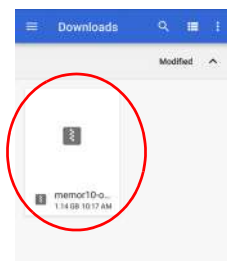
1. Connect the device and the PC via USB cable (see [USB Connection on page 127](#));
2. Scroll down the notification bar, tap the charging notification, change to **Transfer files**;
3. Now the device is visible in your PC as a USB disk. Copy the OTA package to the device **Download** folder;

## Local Upgrade

From the **Settings** menu, tap **System** > **System updates** > **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.

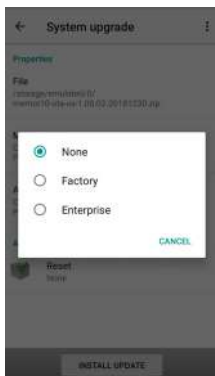
The following window displays on screen, showing information about the device and the update package components:



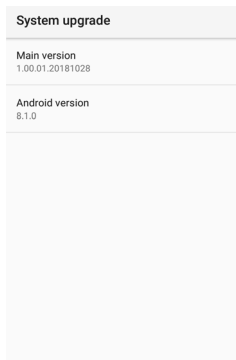
The **PROPERTIES** section shows information about the device model and OS version and the update package version.

The **ACTIONS** section allows to:

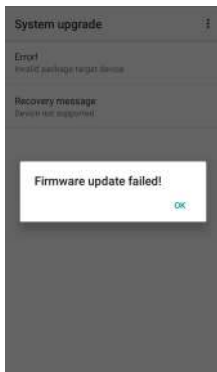
- reset the device configuration after the update (see [Reset the Device on page 45](#))
- force the update of all components, including those already updated.



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 20% if the Memor 10 is not connected to a power source;

or

- battery level is more than 15% if the Memor 10 is connected to a power source (USB or dock).



**NOTE**

Update is always done in recovery mode (see [Recovery Mode on page 74](#)).





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



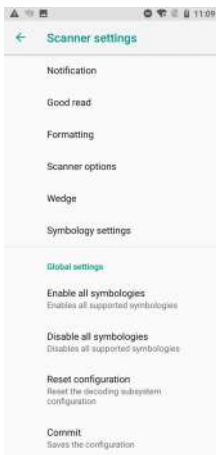
In Recovery mode, you can only apply updates from external storage (see [Local Upgrade on page 69](#)).

**NOTE**

## Scanner Settings

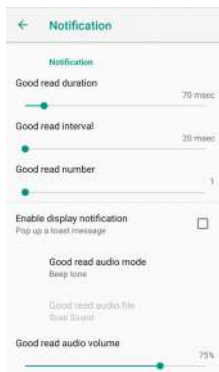
Before you start reading barcodes, use the **Settings** app to view and configure all settings for the scanner.

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.

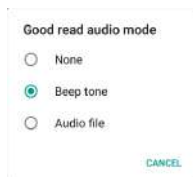
### Enable Display Notification

Enables display notifications (toasts). If cleared, 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.



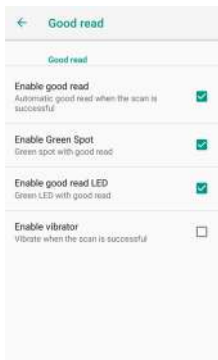
**The Notification settings do not apply to an audio file.**

## Good Read Audio Volume

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

## Good Read

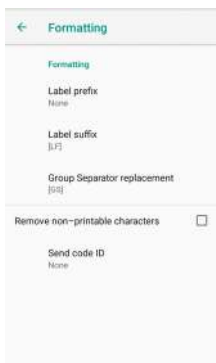
Use it to enable good read notifications (LED, Green Spot):



Tap **Enable good read** to enable/disable notifications (main enabler), then select the notification you want to use.

## 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:

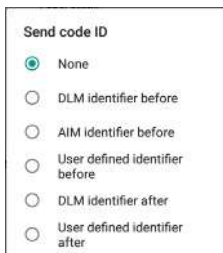


## Remove Non-Printable Characters

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 image shows a settings menu titled "Send code ID". It contains six radio button options:

- None
- DLM identifier before
- AIM identifier before
- User defined identifier before
- DLM identifier after
- User defined identifier after

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.

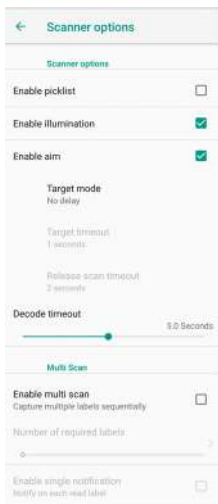
**DLM identifier** is a Datalogic specific character identifier.

**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 10 scanning behavior.



### Enable Picklist

If selected, 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

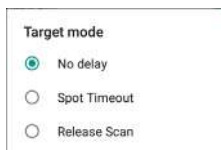
If selected, it causes the scanner to turn on the illumination to aid decoding.

### Enable Aim

Enables the laser aim.

## 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:

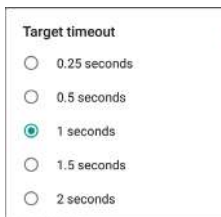


### *No Delay*

Target mode is disabled.

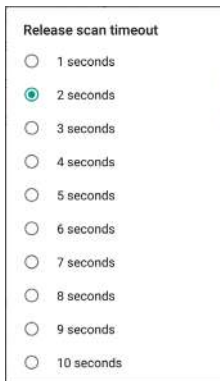
### *Spot Timeout*

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:

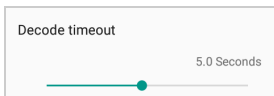


Release scan timeout

- 1 seconds
- 2 seconds
- 3 seconds
- 4 seconds
- 5 seconds
- 6 seconds
- 7 seconds
- 8 seconds
- 9 seconds
- 10 seconds

## 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):



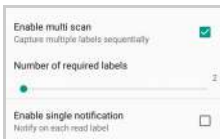
Decode timeout

5.0 Seconds

A horizontal slider control with a green dot indicating the current value of 5.0 seconds.

## Enable Multi Scan

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



Enable multi scan

Capture multiple labels sequentially

Number of required labels

Enable single notification

Notify on each read label

### **Number of Required Labels**

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

### **Enable Single Notification**

If selected, 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

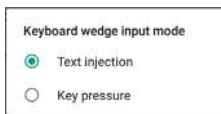
If selected, the scanner is enabled whenever a text area is in focus and can receive text.

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

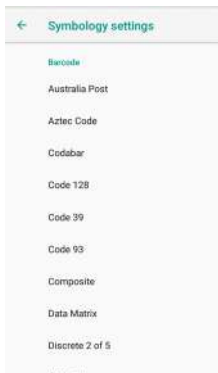
Enables the broadcast of specific intents to the listening applications. The broadcasted intent can have its custom Action, Category and extra content fields. The scanner is enabled whenever the intent option is flagged.

## Enable Web Wedge

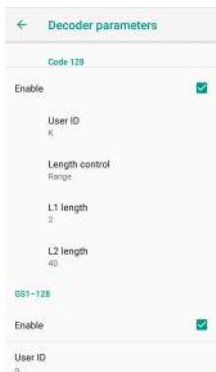
Enables direct data input into internet browsing applications, in the form of a valid URL.

## 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:



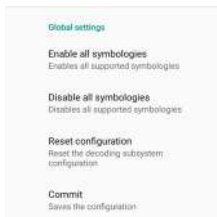
Refer to the sample symbology control panels for examples of the types of fields and options you can modify. The example below shows the settings of a Code 128 barcode symbology:





## 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**.

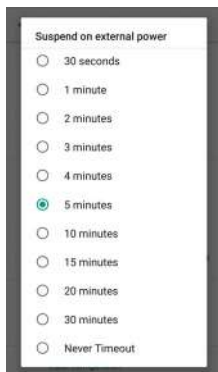
---

## Advanced Settings

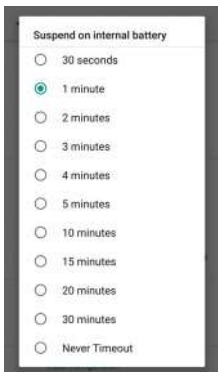
### Suspend Timeout

You have two options to set the suspend timeout (see [Suspend Mode on page 32](#) for more information on Suspend Mode):

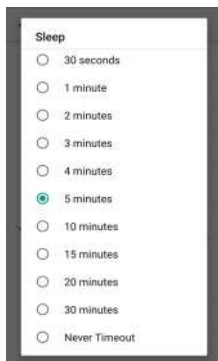
1. Tap **Settings > System > Advanced settings**:
  - **Suspend on external power** sets the number of seconds without user input activity before the system is suspended while running on external power.



- **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.

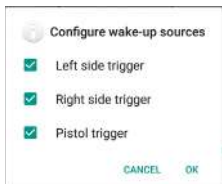
### Charging Mode

Sets the battery level at which the device turns on automatically. The default value is 100%.



## Wake-Up Configuration

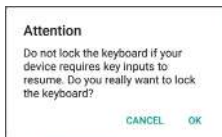
The default wake-up sources are the left side trigger, the right side trigger and the pistol trigger. Tap **Settings > System > Advanced settings > Configure wake-up sources** to enable/disable wake-up sources.



## Input Configuration

### Lock Keyboard Input

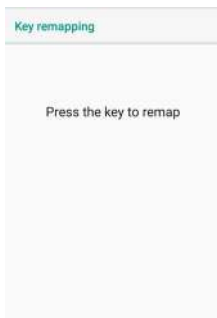
Select **Lock keyboard input** to lock user input from the keyboard. The following pop up window displays on screen asking for confirmation:



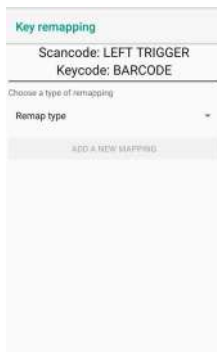
To unlock the keyboard, clear the **Lock keyboard input** check box.

## Key Remapping

Tap **Key remapping** to remap an input key, then press the key you want to remap. You can remap the left trigger, the right trigger, the pistol trigger, the power button and the volume control buttons.



The following window displays on screen:



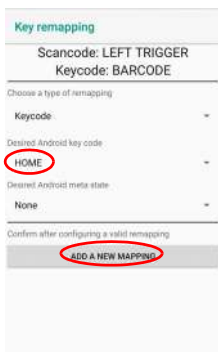
- **Scancode** represents the physical location of a keyboard key.
- **Keycode** represents the value that is mapped to a specific key.

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



### *Keycode*

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



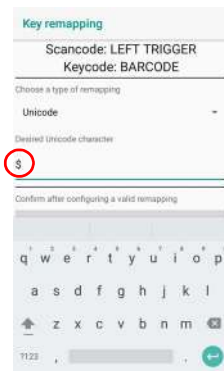
- Tap the second menu (default = **DISABLE KEY**) to select the new function you want to assign to the selected key.
- Tap the last menu (default = **None**) to add a modifier key (such as **Ctrl**, **Shift** or **Alt**).

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



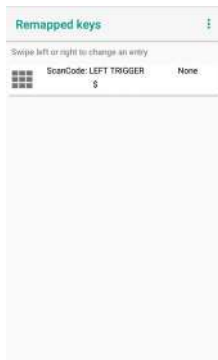
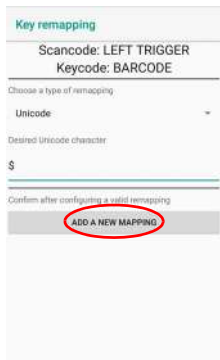
### *Unicode*

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



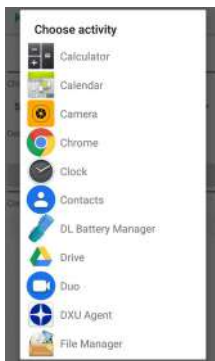
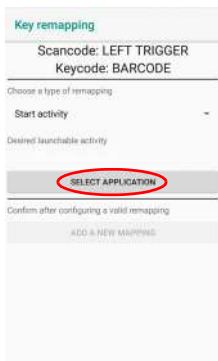


Press the Back Button on the navigation bar and then tap **ADD A NEW MAPPING**. A window displays showing the new keymap:

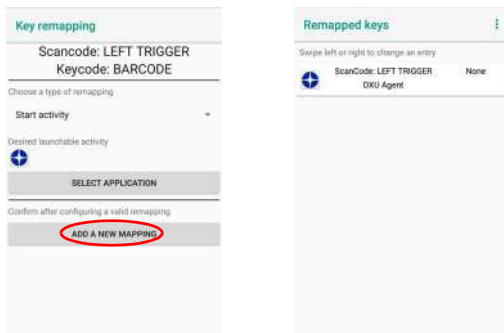


### *Start Activity*

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.



# NOTES



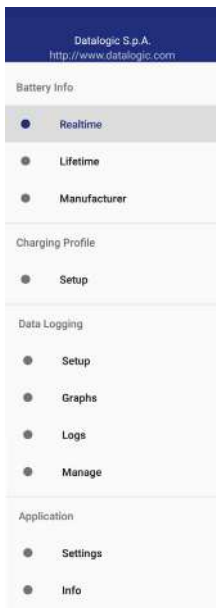
# Datalogic Applications

## 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.





## 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.



Battery Info - Lifetime	
HEALTH	GOOD
STATE OF HEALTH	100%
Total Discharge	0.9 Ah
Full Charge	4002 mAh
Temperature	min = 3.7 °C max = 36.6 °C
Voltage	min = 2886 mV max = 4421 mV
Charge Current	max = 2134 mA
Discharge Current	max = 1291 mA

### 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

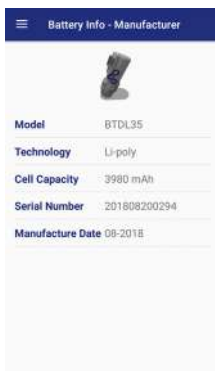
Shows the maximum charge current.

## 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.



The screenshot shows a mobile application window titled "Battery Info - Manufacturer". At the top, there is a blue header with a hamburger menu icon on the left and the title "Battery Info - Manufacturer" on the right. Below the header is a small image of a battery. Underneath the image is a table with five rows, each representing a different attribute of the battery. The table has a light gray background and thin horizontal lines separating the rows. The attributes and their values are: Model (BTDL35), Technology (Li-poly), Cell Capacity (3980 mAh), Serial Number (201808200294), and Manufacture Date (08-2018).

<b>Model</b>	BTDL35
<b>Technology</b>	Li-poly
<b>Cell Capacity</b>	3980 mAh
<b>Serial Number</b>	201808200294
<b>Manufacture Date</b>	08-2018

## 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.

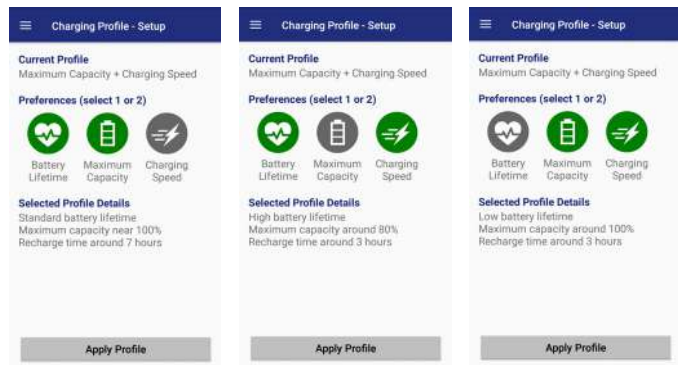
If a third preference is selected, the system will automatically clear the oldest option.

Tap **Apply Profile** to confirm.

You can configure up to 6 different charging profiles:

The image displays three sequential screenshots of the 'Charging Profile - Setup' interface. Each screen shows a 'Current Profile' (Maximum Capacity + Charging Speed) and a 'Preferences (select 1 or 2)' section with three options: Battery Lifetime, Maximum Capacity, and Charging Speed. The 'Selected Profile Details' section shows the resulting configuration for each preference combination.

Preference 1	Preference 2	Battery Lifetime	Maximum Capacity	Charging Speed
Battery Lifetime	Maximum Capacity	Low battery lifetime	Maximum capacity around 100%	Recharge time around 4 hours
Battery Lifetime	Charging Speed	High battery lifetime	Maximum capacity around 80%	Recharge time around 5.5 hours
Maximum Capacity	Charging Speed	Standard battery lifetime	Maximum capacity around 80%	Recharge time around 2 hours



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.

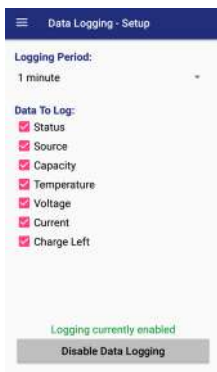
## Data Logging

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.

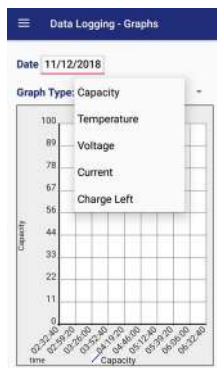


## Graphs

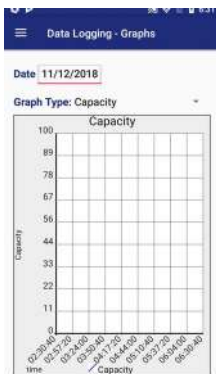
The **Graphs** window provides a graphical display of selected data on a specific date.



Select Date




Select Data



## Logs

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

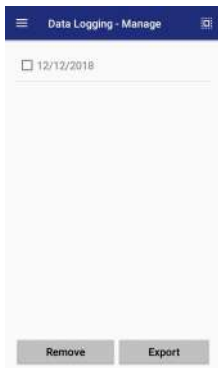


The screenshot shows a mobile application window titled "Data Logging - Logs". At the top, there is a blue header with a hamburger menu icon on the left and the title "Data Logging - Logs". Below the header, the date "12/12/2018" is displayed in a white box with a red underline. The main content is a table with four columns: "Date", "Status", "Source %", and "°C". The table contains 24 rows of data, all with a "Date" of "12/12/2018". The "Status" column contains "DISCHG (GOOD)", "NONE", or "DISCHG (GOOD)". The "Source %" column contains "100" or "89". The "°C" column contains "24", "25", "26", or "27".

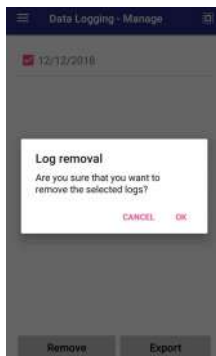
Date	Status	Source %	°C	
04:23:46	DISCHG (GOOD)	NONE	100	24
04:24:41	DISCHG (GOOD)	NONE	100	24
04:25:02	DISCHG (GOOD)	NONE	100	24
04:26:00	DISCHG (GOOD)	NONE	100	24
04:26:50	DISCHG (GOOD)	NONE	100	24
04:27:20	DISCHG (GOOD)	NONE	100	25
04:28:20	DISCHG (GOOD)	NONE	100	25
04:29:50	DISCHG (GOOD)	NONE	100	25
04:30:20	DISCHG (GOOD)	NONE	100	25
04:31:20	DISCHG (GOOD)	NONE	100	25
04:32:20	DISCHG (GOOD)	NONE	100	26
04:33:21	DISCHG (GOOD)	NONE	100	26
04:34:21	DISCHG (GOOD)	NONE	100	26
04:35:21	DISCHG (GOOD)	NONE	100	26
04:36:26	DISCHG (GOOD)	NONE	100	26
04:37:26	DISCHG (GOOD)	NONE	100	26
04:38:21	DISCHG (GOOD)	NONE	100	26
04:39:29	DISCHG (GOOD)	NONE	100	26
04:40:27	DISCHG (GOOD)	NONE	100	26
04:41:22	DISCHG (GOOD)	NONE	89	26
04:42:52	DISCHG (GOOD)	NONE	89	27
04:43:32	DISCHG (GOOD)	NONE	89	27
04:44:32	DISCHG (GOOD)	NONE	89	27

## Manage

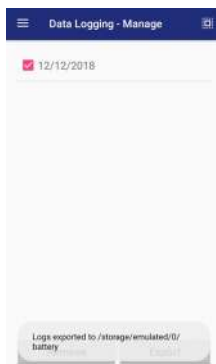
The **Manage** window allows to remove or export logs.



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.



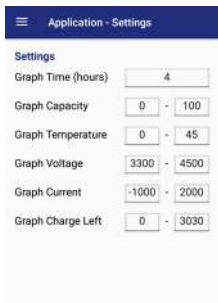
The selected log files will be saved in the "battery" folder in the internal storage of your device.



# Application

## Settings

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




The screenshot shows the 'Application - Settings' interface. It features a dark blue header with a hamburger menu icon and the text 'Application - Settings'. Below the header, the word 'Settings' is displayed. The main content area contains six rows of settings, each with a label and two input fields separated by a minus sign. The values are: Graph Time (hours) is 4; Graph Capacity is 0 to 100; Graph Temperature is 0 to 45; Graph Voltage is 3300 to 4500; Graph Current is -1000 to 2000; and Graph Charge Left is 0 to 3030.

Setting	Value 1	Value 2
Graph Time (hours)	4	
Graph Capacity	0	100
Graph Temperature	0	45
Graph Voltage	3300	4500
Graph Current	-1000	2000
Graph Charge Left	0	3030

## Info

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



The screenshot shows the 'Application - Info' interface. It features a dark blue header with a hamburger menu icon and the text 'Application - Info'. The main content area lists several pieces of information: Device Name (MEMOR 10), Application Version (1.2.B-20181011), Batteries Database Version (UNKNOWN), and Supported Batteries (N/A).

Device Name	MEMOR 10
Application Version	1.2.B-20181011
Batteries Database Version	UNKNOWN
Supported Batteries	N/A

## Scan2Deploy

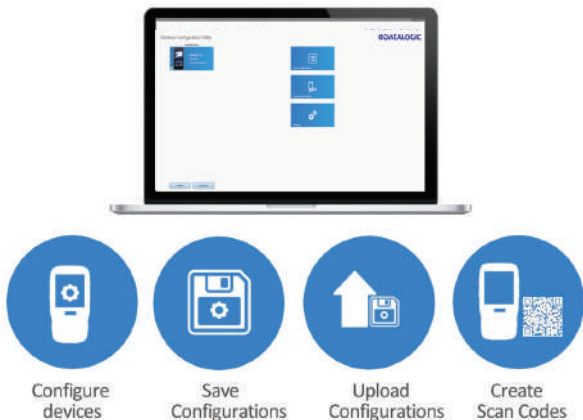
Scan2Deploy is a configuration tool that uses special barcode labels.

For more details, visit the website:

<https://datalogic.github.io/dxu/scan2deploy/>.

## Desktop Configuration Utility (DXU)

Datalogic DXU is a unified device configuration utility and firmware update utility. DXU can connect directly to the Memor 10 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/>.

## 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.

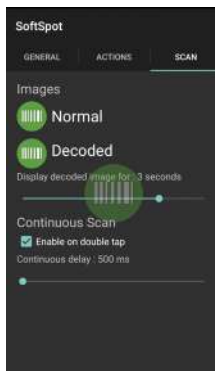
### **Minimum visibility**

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, see [Desktop Configuration Utility \(DXU\)](#) on page 117.



## 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).

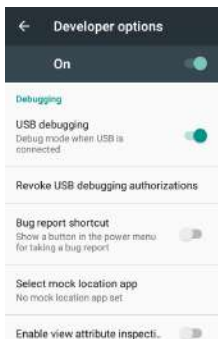


**Before installing the Google USB Driver, ensure you have installed the Datalogic plug-in.**

**NOTE**

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 > About phone** 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 10 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>.

# NOTES



## Data Capture

The Memor 10 has an integrated imager that collects data by scanning bar codes.

See [Scanner Settings on page 76](#) for instructions on configuring the scanner settings.

### Imager Data Capture

The imager uses digital camera technology to take a digital picture of a bar code, the image is stored in memory and software decoding algorithms are executed to extract the data from the image.

To scan a bar code symbol:

1. Point the scan window at the bar code.
2. Press one of the scan triggers. A blue-violet spot illuminates the symbol, which is captured and decoded.



If the scan has been successful:

- If enabled, the good read beep plays.
- If enabled, the GreenSpot projects a green spot onto the bar code image.
- If enabled, the good read indicator positioned at the top left side of the display glows solid green.



# Connections

## USB Connection

### USB Direct Connection

You can use the provided USB Type-C cable to directly connect the Memor 10 to a host computer and transfer data through the USB interface.

Host Computer

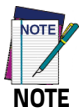


Memor 10



USB Type-C cable

1. Connect the device to the host PC via USB cable.
2. Scroll down the notification bar, tap the charging notification and change to **Transfer files**.
3. The device is now visible in your PC as a USB disk. You can start the data transfer.

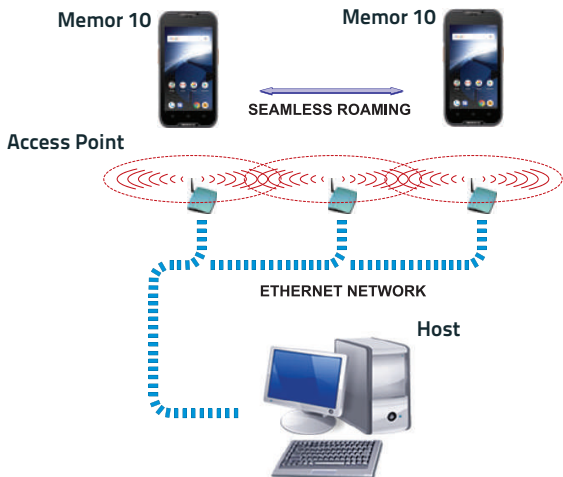


**Connection through the cable complies to USB Type-C standard.**

**NOTE**

## WLAN Connection

The Memor 10 has a 802.11a/b/g/n/ac WLAN (Wireless Local Area Network) radio and can communicate with other 802.11a/b/g/n/ac Wi-Fi compliant products including access points, workstations via PC card adapters and other wireless portable devices.



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.).

## WWAN Connection

The Memor 10 enhances your connectivity solutions giving you an opening to an international wireless infrastructure that is the global standard. It is optimized for the following two-way communications:

- Voice: GSM voice data (dial-up)
- Data: Available speed depends on the wireless network carrier and their supported packet-data technology in addition to network conditions.

The Memor 10 supports the following 3G bands:

- EU (ROW) : WCDMA 2100/850/900, CDMA2000 BCO
- US: WCDMA 2100/1900/1700/850/900, CDMA2000 BCO/1.

The Memor 10 supports the following LTE bands:

- EU (ROW) sku: FDD\_LTE B1/3/5/7/8/20/28, TDD\_LTE B38/39/40/41
- US sku: FDD\_LTE B2/4/5/7/12/13/17/25/26.



In order to use a WWAN Connection you have to install a SIM Card (Install the MircoSIM Card on page 27).



**NOTE**

You can use the WWAN radio for simultaneous voice and data communication on a UMTS (3G) network only. On a GSM network, if you want to communicate over the phone (voice), you cannot send data. If you want to send data, you cannot use the phone.



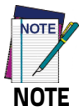
**NOTE**

Area coverage and 3G performance may vary, due to environmental conditions, access point types or interference caused by other devices (microwave ovens, radio transmitters, etc.).



## WPAN Connection

The Memor 10 can communicate with a Bluetooth® device, such as a printer, within a range of 10 m, using the on-board Bluetooth® module.



**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 (see [Bluetooth Settings on page 64](#)).



**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.).**

---

## Near Field Communication (NFC)

NFC technology allows short-range, wireless data transfer between the terminal and NFC tags or other NFC enabled devices placed in close proximity to the back of the terminal.

Memor 10 support the following modes of operation:

- NFC tag reader/writer mode: the terminal reads and/or writes digital information from or to an NFC tag.
- Peer-to-Peer (P2P) mode: the terminal uses Android Beam and/or Bluetooth@ technology to transfer screen content (e.g., a picture, web page url, or file) between NFC enabled devices.
- NFC card emulation mode - The terminal emulates an NFC card (smart card) that an external card reader can access.

### Read NFC Tags

1. Make sure NFC is enabled (see [NFC on page 68](#)).
2. Hold the NFC tag close to the back of the terminal.
3. When an NFC tag is recognized, the terminal emits a sound and the tag data displays on the terminal screen.



**Suspend mode and the screen lock temporarily turns the NFC radio off.**

## 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 10.

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

<b>Physical Characteristics</b>	
Dimensions	15.5 x 7.8 x 1.87 cm / 6.1 x 3.07 x 0.73 in
Weight	With Battery: 285.0 g / 10.0 oz
Display	5 inch IPS HD resolution 720 x 1280; LED backlight; Touch Screen: 5 points multi-touch capacitive panel with Dragontrail hardened glass
Keys	Physical Keys: 2 side scan keys; Power On/Off; Volume Up/Down; 3 user programmable Android™ keys
<b>Interfaces</b>	
Interfaces	High Speed USB 2.0 Host and Client with USB Type C connector
<b>Sensors</b>	
Vibration	Software programmable for duration and intensity
Accelerometer	3-Axis accelerometer to detect orientation
Gyroscope	Senses angular velocity
Ambient Light	Auto adjusts display backlight
Proximity	Auto deactivates display when close to face

<b>Electrical</b>	
Battery	Replaceable battery pack with rechargeable Lithium-Polymer batteries; 3.8v; 4,100 mAh (15.6 Watt-hours)
Wireless Charging	Qi Compliant; 10 Watt fast charging
<b>Environmental</b>	
Temperature	- 20° to 50° C (32° to 122° F)
Drop Resistance	Withstands drops from 1.5 m/ 5.0 ft onto concrete (with rubber boot); Withstands drops from 1.2 m/ 4.0 ft onto concrete (without rubber boot). Tested onto steel/concrete according to IEC 68-2-32 Method 2 and MIL STD 810G Transit drop test.
Tumbles	Withstands 1000 hits from 0.5 m/ 1.6 ft and 250 hits from 1.0 m / 3.2 ft per IEC 600-2-32 with rubber boot; Withstands 600 hits from 0.5 m/ 1.6 ft per IEC 600-2-32 without rubber boot
Particulate and Water Sealing	IP65
Chemical Resistance	Chemical cleanser and industrial oil resistant (both Standard and Healthcare models)
Healthcare Cleanable	Isopropyl Alcohol, Hydrogen Peroxide, Clorox® Bleach; applicable for both the device and cradles
<b>Safety &amp; Regulatory</b>	
Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use
Environmental Compliance	Complies to EU RoHS
<b>Warranty</b>	
Warranty	1-Year Factory Warranty



<b>Wireless Communications</b>	
Local Area Network (WLAN)	IEEE 802.11 a/b/g/n/ac and 802.11 k/r/v; Frequency range: Country dependent, typically 2.4GHz and 5GHz bands
Personal Area Network (PAN)	Bluetooth wireless technology v4.2 (Classic Bluetooth wireless technology and BLE)
NFC Communication	Support for the following standards: ISO14443-4 (type-A, type-B); ISO15693; Mifare; Felica
WWAN/Cellular	LTE-Advanced/4G+; Cat 6 (coming soon)
<b>System</b>	
Operating System	Android v8.1 with or without GMS
Expansion Slots	Micro-SD card slot: Compatible with Micro SD-HC cards; Data transfer up to 48 Mbps; User-accessible
Memory	System RAM: 3 GB; eMMC Flash: 32 GB
Microprocessor	2 GHz Octa-core
Real-Time Clock	Time and date stamping under software control
<b>Decoding Capability</b>	
1D/Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes
2D Codes	Aztec Code, Data Matrix, MaxiCode, MicroQR Code, QR Code, USPS Intelligent Mail
Postal Codes	Australian Post, Japan Post, KIX Code, PLANET, POSTNET, Royal Mail Code (RM4SCC)
Stacked Codes	Micro-PDF417, PDF417, GS1 DataBar Composites, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional

<b>Reading Performance</b>	
Camera	Resolution: 13 megapixel; Illumination: User controllable LED flash; Lens: Auto focus
Scan Engine	2D Ultra slim area imager (supports 1D / 2D codes); Datalogic's 'Green Spot' for good-read feedback; Depth of Field: 5 to 46 cm / 2 to 18 in depending on bar code density and type; Resolution: VGA (640 x 480 pixels); Illumination: White LED; Aiming: Blue LED; Field of View: 48° H x 34° V
Print Contrast (Minimum)	25%
Minimum Element Width	1D Linear: 0.1016mm / 4mils PDF: 0.1676mm / 6.6mil Data Matrix: 0.1905 mm / 7.5mil
<b>Software</b>	
Applications	Datalogic's SoftSpot technology for configurable soft triggers; Supports Datalogic's Queue Busting app; Pre-licensed device and browser lockdown powered by 42Gears; Enterprise class PTT offered by Zello
Provisioning	Android Zero Touch enrollment and QR Code or NFC Bump provisioning
Configuration and Maintenance	Datalogic DXU for device configuration and firmware upgrade from PC
Development	Java and Xamarin SDK available
MDM	SOTI MobiControl, VMWare AirWatch, Wavelink Avalanche, 42Gears SureMDM
Terminal Emulation	StayLinked SmartTE, Wavelink Velocity



## 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

Periodically clean the Memor 10 Healthcare device and the docks using a soft cloth slightly dampened with only water, or one of the following allowed cleaning agents:

- Sani-Cloth® HB, Sani-Cloth® Plus,
- Super Sani-Cloth®
- Hepacide Quat II
- Alcohol Wipes 70%
- CaviWipes™
- Virex® 256
- 409® Glass and Surface Cleaner
- Windex®
- Clorox® Bleach
- 100% Gentle dish soap and water.

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 IP65 waterproof.

## 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



**Read this manual carefully before performing any type of connection to the Memor 10 PDA.**

**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 **Battery** on page 13.
- Use only the components and accessories supplied by the manufacturer for the specific Memor 10 being used.
- Do not attempt to disassemble the Memor 10 PDA, 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 10 PDA, disposal must be performed in compliance with the laws in force in your jurisdiction.
- Do not submerge the Memor 10 in liquid products.
- For further information or support, refer to this manual and to the Datalogic web site: [www.datalogic.com](http://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 TYPE-C 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 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.



### CAUTION

**Connection through the cable complies to USB Type-C standard.**

**The adapter must be installed near the equipment and must be easily accessible.**

**The device must operate at an ambient temperature between -20 - 50° C.**

## LED Class

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

## Audio Safety



To prevent possible hearing damage, do not listen at high volume levels for long periods.

## Marking and European Economic Area (EEA)

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.

### Statement of Compliance

Hereby, Datalogic S.r.l. declares that the radio equipment type Memor 10 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](http://www.datalogic.com).

#### BG

С настоящото Datalogic S.r.l. декларира, че този тип радиосъоръжение Memor 10 е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: [www.datalogic.com](http://www.datalogic.com).

#### ES

Por la presente, Datalogic S.r.l. declara que el tipo de equipo radioeléctrico Memor 10 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: [www.datalogic.com](http://www.datalogic.com).

## CS

Tímto Datalogic S.r.l. prohlašuje, že typ rádiového zařízení Memor 10 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: [www.datalogic.com](http://www.datalogic.com).

## DE

Hermed erklærer Datalogic S.r.l., at radioudstyrstypen Memor 10 er i overensstemmelse med direktiv 2014/53/EU.

EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: [www.datalogic.com](http://www.datalogic.com).

## ET

Käesolevaga deklareerib Datalogic S.r.l., et käesolev raadioseadme tüüp Memor 10 vastab direktiivi 2014/53/EL nõuetele. Eli vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: [www.datalogic.com](http://www.datalogic.com).

## EL

Με την παρούσα ο/η Datalogic S.r.l., δηλώνει ότι ο ραδιοεξοπλισμός Memor 10 πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: [www.datalogic.com](http://www.datalogic.com).

## EN

Hereby, Datalogic S.r.l. declares that the radio equipment type Memor 10 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](http://www.datalogic.com).

## FR

Le soussigné, Datalogic S.r.l., déclare que l'équipement radioélectrique du type Memor 10 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: [www.datalogic.com](http://www.datalogic.com).



## HR

Datalogic S.r.l. ovime izjavljuje da je radijska oprema tipa Memor 10 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: [www.datalogic.com](http://www.datalogic.com).

## IT

Il fabbricante, Datalogic S.r.l., dichiara che il tipo di apparecchiatura radio Memor 10 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: [www.datalogic.com](http://www.datalogic.com).

## LV

Ar šo Datalogic S.r.l. deklarē, ka radioiekārta Memor 10 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: [www.datalogic.com](http://www.datalogic.com).

## LT

Aš, Datalogic S.r.l., patvirtinu, kad radijoįrenginių tipas Memor 10 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: [www.datalogic.com](http://www.datalogic.com)

## HU

Datalogic S.r.l. igazolja, hogy a Memor 10 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: [www.datalogic.com](http://www.datalogic.com).

## MT

B'dan, Datalogic S.r.l. niddikjara li dan it-tip ta' tagħmir tar-radju Memor 10 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: [www.datalogic.com](http://www.datalogic.com).

## PL

Datalogic S.r.l. niniejszym oświadcza, że typ urządzenia radiowego Memor 10 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: [www.datalogic.com](http://www.datalogic.com).

## PT

O(a) abaixo assinado(a) Datalogic S.r.l. declara que o presente tipo de equipamento de rádio Memor 10 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: [www.datalogic.com](http://www.datalogic.com).

## RO

Prin prezenta, Datalogic S.r.l. declară că tipul de echipamente radio Memor 10 este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: [www.datalogic.com](http://www.datalogic.com).

## SK

Datalogic S.r.l. týmto vyhlasuje, že rádiové zariadenie typu Memor 10 WWAN je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: [www.datalogic.com](http://www.datalogic.com).

## SL

Datalogic S.r.l. potrjuje, da je tip radijske opreme Memor 10 WWAN skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: [www.datalogic.com](http://www.datalogic.com).

## FI

Datalogic S.r.l. vakuuttaa, että radiolaitetyyppi Memor 10 WWAN on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: [www.datalogic.com](http://www.datalogic.com).

## SV

Härmed försäkrar Datalogic S.r.l. att denna typ av radioutrustning Memor 10 WWAN överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: [www.datalogic.com](http://www.datalogic.com).

## NBTC Statement

เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กททช.

This telecommunication equipment is in compliance with NTC requirements.

## 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.

BG	DE	EN	IT	HU	PT	SL
ES	ET	FR	LV	MT	RO	FI
CS	EL	HR	LT	PL	SK	SV

### ENGLISH

Contact the competent authority responsible for the management of radio frequency devices of your country to verify any possible restrictions or licenses required.

### ITALIANO

Contatta l'autorità competente per la gestione degli apparati a radio frequenza del tuo paese, per verificare eventuali restrizioni o licenze.

## **FRANÇAIS**

Contactez l'autorité compétente en la gestion des appareils à radio fréquence de votre pays pour vérifier d'éventuelles restrictions ou licences.

## **DEUTSCH**

Wenden Sie sich an die für Radiofrequenzgeräte zuständige Behörde Ihres Landes, um zu prüfen ob es Einschränkungen gibt, oder eine Lizenz erforderlich ist.

## **ESPAÑOL**

Contacta la autoridad competente para la gestión de los dispositivos de radio frecuencia de tu país, para verificar cualesquiera restricciones o licencias posibles requerida.



This device has been tested and found to comply with the limits pursuant to EN 303417. 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 causes harmful interference to other electronic equipments, which can be determined by turning the equipment OFF and ON, the user is encouraged to correct the interference with one or more of the following measures:

- Reorient or relocate the equipment
- Increase the distance

To prevent the temperature from getting too high, don't place any metal objects between the TX surface and the RX surface.

# Radio Type Description Frequency Maximum Output Power

Radio Technology	Transmit Frequency	Transmit Power	Receive Frequency
GSM 900	880 MHz to 915 MHz	GSM/GPRS:32.2 dBm EDGE:24.7 dBm	925 MHz to 960 MHz
GSM1800	1710 MHz to 1785 MHz	GSM/GPRS:29.7 dBm EDGE:23.6 dBm	1805 MHz to 1880 MHz
WCDMA band I	1920 MHz to 1980 MHz	22.5 dBm	2110 MHz to 2170 MHz
WCDMA bandVIII	880 MHz to 915 MHz	22.83 dBm	935 MHz to 960 MHz
LTE FDD1	1920 MHz to 1980 MHz	22.65 dBm	2110 MHz to 2170 MHz
LTE FDD3	1710 MHz to 1785 MHz	22.97 dBm	1805 MHz to 1880 MHz
LTE FDD7	2500 MHz to 2570 MHz	22.96 dBm	2620 MHz to 2690 MHz
LTE FDD8	880 MHz to 915 MHz	23.21 dBm	925 MHz to 960 MHz
LTE FDD20	832 MHz to 862 MHz	22.82 dBm	791 MHz to 821 MHz
LTE FDD28	703 MHz to 748 MHz	22.75 dBm	758 MHz to 803 MHz
LTETDD38	2570 MHz to 2620 MHz	22.69 dBm	2570 MHz to 2620 MHz

<b>Radio Technology</b>	<b>Transmit Frequency</b>	<b>Transmit Power</b>	<b>Receive Frequency</b>
LTETDD40	23 MHz to 2400MHz	22.64 dBm	2300 MHz to 2400 MHz
BT4.2	2402 MHz to 2480 MHz	9.62 dBm	2402 MHz to 2480 MHz
BLE	2402 MHz to 2480 MHz	4.85 dBm	2402 MHz to 2480 MHz
2.4G Wi-Fi	2412 MHz to 2472 MHz	16.85 dBm	2412 MHz to 2472 MHz
SG Wi-Fi	5180 MHz to 5320 MHz	17.49 dBm	5180 MHz to 5320 MHz
SG Wi-Fi	5500 MHz to 5700 MHz	18.22 dBm	5500 MHz to 5700 MHz
NFC	13.56 MHz	/	13.56 MHz
GPS	/	/	1575.42 MHz
GLONASS	/	/	1589.74 MHz
BEIDOU	/	/	1561.098 MHz
WLCRX	/	/	119KHz to 140 KHz



## FCC Compliance

### NOTICE:

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC ID: U4GDL35US

**NOTE:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

### **Body-worn Operation**

This device was tested for typical body-worn operations. To comply With RF exposure requirements, a minimum separation distance of 1.0 cm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

### **Specific Absorption Rate (SAR) information:**

This wireless phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

### **RF Exposure Information and Statement:**

This device was tested for handheld and body-worn conditions, according to international Standards covering human exposure to electromagnetic fields from radio devices. The SAR limit recommended by the Council of the European Union is 2.0W/kg for trunk/head as averaged over any 10g tissue according to the EN 50360:2017 and EN 50566:2017. The Memor 10 has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the ear is 0.514W/kg and when properly worn on the body is 1.461W/kg. This device was tested for typical body-worn operations. To maintain compliance with the RF exposure requirements in Europe, use accessories that

maintain a 5mm separation distance between the user's body and the handset, including the antenna. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

### **FCC RF Exposure Information and Statement:**

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: U4GDL35US has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the ear is 0.801W/kg and when properly worn on the body is 1.172W/kg and as hotspot is 1.283W/kg. This device was tested for typical body-worn operations with the back of the handset kept 1cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

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.

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.

## 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.

### 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.

The highest SAR value reported under this standard during product certification for use at the ear is 0.801W/kg and when properly worn on the body is 1.148W/kg and as hotspot is 1.283W/kg.

## ISED Radiation Exposure Statement

This device is compliant with SAR for general population/uncontrolled exposure limits in RSS-102 and has been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with a minimum distance of 0.39 in(10mm) between the radiator and you body. This device and its

antennas must not be co-located or operated in conjunction with and other antenna or transmitter.

Cet appareil est conforme aux limites d'exposition DAS incontrôlée pour la population générale de la norme CNR-102 Innovation. Scinces et Développement économique Canada et a été testé en conformité avec les méthodes de mesure de procédures spécifiées dans IEEE 1528 et IEC 62209. Cet appareil doit être installé et utilisé avec une distance minimale de 10mm entre l'émetteur et votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

## Waste Electrical and Electronic Equipment (WEEE)



### 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 símbolo de contenedor de basura 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 Homepage 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](http://www.datalogic.com) and click on the **SUPPORT** link which gives you access to:

**Downloads** by selecting your product model from the dropdown list in the Search by Product field for specific Data Sheets, Manuals, Software & Utilities, and Drawings;

**Repair Program** for On-Line Return Material Authorizations (RMAs) plus Repair Center contact information;

**Customer Service** containing details about Maintenance Agreements;

**Technical Support** through email or phone.

## Reference Documentation

For further information regarding Memor 10 refer to the SDK Help on-line.

## 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 device that provides transparent access between Ethernet wired networks and IEEE 802.11 interoperable radio-equipped mobile units. Hand-held mobile computers, PDAs or other devices equipped with radio cards, communicate with wired networks using Access Points (AP). The mobile unit (mobile computer) may roam among the APs in the same subnet while maintaining a continuous, seamless connection to the wired network.

## 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.

## **ESD**

Electro-Static Discharge

## **Ethernet**

The standard local area network (LAN) access method. A reference to "LAN", "LAN connection" or "network card" automatically implies Ethernet. Defined by the IEEE as the 802.3 standard, Ethernet is used to connect computers in a company or home network as well as to connect a single computer to a cable modem or DSL modem for Internet access.

## **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.

## **GSM**

Global System for Mobile communication. It is a standard for digital cellular communications, currently used around the world on as many as seven bands.

## **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.

## **IEC**

International Electrotechnical Commission. This international agency regulates laser safety by specifying various laser operation classes based on power output during operation.

## **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.

## LAN

Local area network. A radio network that supports data communication within a local area, such as within a warehouse or building.

## 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.

## **Pairing**

A Bluetooth® pairing occurs when two Bluetooth® devices agree to communicate with each other and establish a connection.

## **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.

## ROM

Read-Only Memory. Data stored in ROM cannot be changed or removed.

## Scanner

An electronic device used to scan bar code 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 bar code.
- 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.

## Subnet

A subset of nodes on a network that are serviced by the same router.

## **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 bar code 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.

## **Visible Laser Diode (VLD)**

A solid state device which produces visible laser light.

## **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.

## **WWAN**

Stands for "Wide Area Network." It is similar to a Local Area Network (LAN), but it is not limited to a single location and it uses Mobile telecommunication cellular network technologies such as UMTS, GPRS, CDMA2000, GSM, CDPD, Mobitex, HSDPA or 3G to transfer data. WWAN connectivity allows a user with a laptop and a WWAN card to surf the web, check email, or connect to a Virtual Private Network (VPN) from anywhere within the regional boundaries of cellular service.



[www.datalogic.com](http://www.datalogic.com)

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