



DATALOGIC MOBILE



memor

New Radio Model

PRODUCT ANNOUNCEMENT

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1. Product Presentation

We decided to improve the existing **Datalogic MEMOR™** offer. With this new model equipped with a 802.11 b/g radio is possible to satisfy all the needs coming from the Market in terms of data communication speed, Security standards (e.g. WEP, WPA, WPA 2) and Wireless compatibility (e.g. WIFI, CCX v3).

Please note that this choice is absolutely in line with all is already present on the Datalogic Mobile radio offer: our portfolio is able to propose an efficient, high speed connectivity for existing and future wireless networks.

1.1. Product Description

The new model will keep the same features and outstanding characteristics, in term of robustness, environmental protection, architecture, software Applications, etc... as the already existing models (please refer to Datalogic MEMOR - Product Announcement @: <https://easeofaccess.datalogic.com>)

1.2. Models

Following the code and the new model description:

Part Number	Model Description
944201007	DL-MEMOR 800-904-416 WIFI,MIN+FNC

This new radio model is totally compatible with the product 944201005 DL-MEMOR 600-904-416 WIFI6,MIN+FNC and hence shares with it both the target market and the applications.

1.3. Technical Specifications (new radio 802.11 b/g)

1.3.1. The Suppliant Client Utility (SCU)

SCU is an integrated application designed for end users and administrators that use a WIFI 802.11 b/g Datalogic Mobile Computers. Using SCU, end users and administrators are able to monitor:

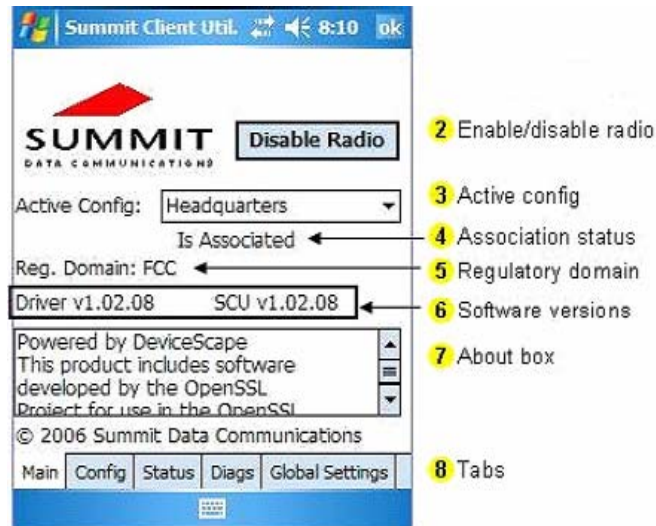
- Profile Settings (e.g. RF and security);
- Global settings, applied to every profile
- A snapshot status of the current wireless network connection
- More detailed status information on the radio, the AP to which it is connected, and the RF connection or link between the AP and the device radio
- In-depth diagnostic information on the connection and the radio, so that users can accurately report key data to an administrator when there is a connection or performance troubles
- Other information on the radio, such as software Versions and regulatory domain
- Turn the adapter (radio) on and off
- Select the profile to be used
- Create, rename, edit, and delete profiles
- Alter global settings, which are applied to every profile
- Perform various troubleshooting and diagnostic tests

SCU provides a graphical user interface (GUI) for access to all of its functions. This GUI consists of five windows, with tabs for easy selection of each window. The five **windows** are named:

- a. Main
- b. Configuration
- c. Status
- d. Diagnostics
- e. Global Settings.

a. Main Window

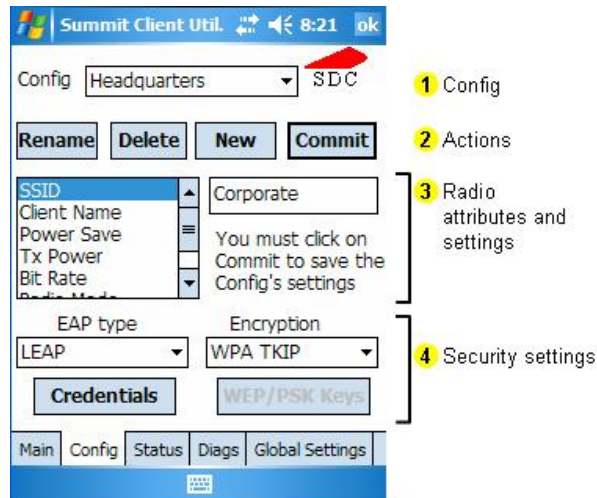
Here are highlights of the Main window:



1. **Launch the SCU:** You can find SCU in the Operating System Control Panel or in the Connections folder.
2. **Enable/Disable Radio:** When the radio is enabled, selecting this button disables it; when the radio is disabled, selecting this button enables it.
3. **Active Profile:** A user can view the name of the active profile. The administrator can use the selection list to select a different profile.
4. **Association Status:** Indicates if the radio is associated to an access point and, if not, what the radio's status is.
5. **Regulatory Domain:** Indicates the regulatory domain or domains for which the radio is configured. "Worldwide" means that the radio can be used in any domain.
6. **Software Versions:** Indicates the version of the device driver and the version of SCU that are running on the ASD.
7. **About Box:** Supplies information on SCU that on a Windows application normally would appear under Help | About.
8. **Tabs:** Enable easy selection of any SCU window.

b. Configuration Window

Here are highlights of the Configuration window:



1. Profile: This is used to select the profile to be viewed or edited.

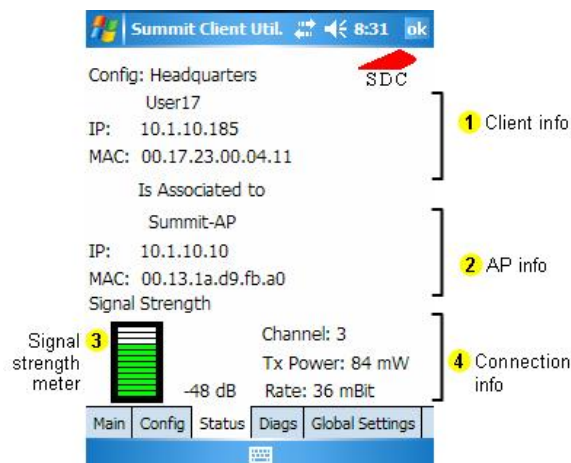
2. Actions: Four actions are available:

- Rename:* Give the profile a new name, one that is not assigned to another profile
- Delete:* Delete the profile, provided that it is not the active profile
- New:* Create a new profile with default settings and give it a name (and then change settings using other selections on the window)
- Commit:* Ensure that changes to profile settings made on the window are saved in the profile

3. Radio Attribute and Setting: When an attribute in the list box is selected, the current setting or an appropriate selection box with the current setting highlighted appears on the right. For example, selecting SSID causes an edit box to appear; selecting transmit power causes SCU to display a drop-down list box with available settings.

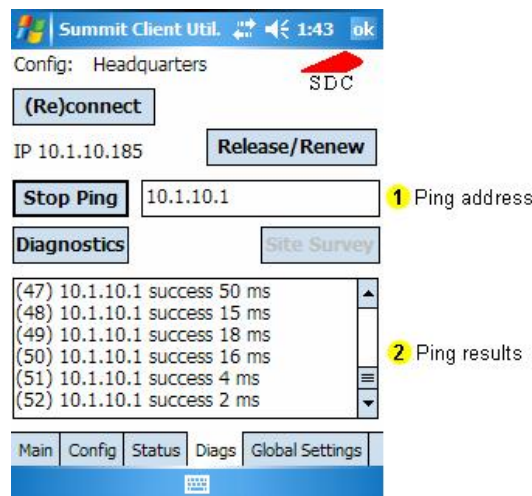
4. Security Settings: The items at the bottom of the window enable to configure the settings for authentication and encryption.

c. Status Window



The Status window provides status information on the radio. Status items include IP address and MAC address for the radio client radio, IP address and MAC address for the AP, signal strength, channel, transmit power, and data rate.

d. Diagnostics Window



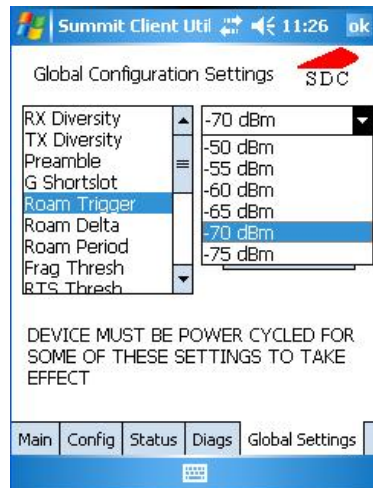
The Diagnostics (Diags), or troubleshooting window provides the following functions:

- **(Re)connect:** Attempt to connect or reconnect to the AP using the current profile, logging all activity in the output area at the bottom of the window.
- **Release/Renew:** Obtain a new IP address through release/renew, logging all activity.
- **Start Ping:** Start a continuous ping to the address in the edit box next to it, logging all activity. Once the button is clicked, its name and function will change to Stop Ping.

You can stop the ping by pressing that button or any other button on the window or by leaving the window.

- **Diagnostics:** Attempt to (re)connect to an AP, and provide a more thorough dump of data that is obtained with (Re)connect.
- **Update Driver:** Update the driver via a dialog and power cycle.

e. Global Settings Window




The Global Settings window enables to view to configure settings that SCU applies to all profiles or, in some cases, to itself.

Settings applied to all profiles include receive diversity, transmit diversity, preamble, G short slot, roam trigger, roam delta, roam period, fragmentation threshold, RTS threshold, ping payload, ping timeout, ping delay, LED, and the certificates path.

Settings applied to SCU (they could be whether or not passwords) should be masked, or hidden, as well as the password for administrator login.

1.3.2. Wireless LAN Security Overview

The new **Datalogic Mermor™** radio model supports the following security standard.

	Security Type	
	Encryption	WEP128
		TKIP
	802.1x Authentication	LEAP
		PEAP-MSCHAPv2
		PEAP-GTC
		EAP-FAST
	WPA (WI-FI Protected Access)	WPA-PSK (Pre-Shared Key)
		LEAP (WPA)
		PEAP-MSCHAPv2 (WPA)
	WPA 2	AES

(For further information please refer to our **Mobile Computers Technical Support Dept.**)

2. Sales and Marketing Information

2.1. Key Selling Points

Speed

802.11 g technology grants better performance in terms of communication speed. With Datalogic Mobile Computers equipped with **802.11 b/g** technology is possible to transfer data up to 54 Mb under specific conditions: use of 802.11 g infrastructures and nearness to the Access Points.

Standard Compatibility

The new **Datalogic Memor™** radio model is equipped with a radio which is CISCO CCX (Cisco Compatible Extension) v3 and WiFi certified. These are very important Key selling points because they grant the compatibility of Datalogic Mobile Computers with the Network vendors leader infrastructure. The new **Datalogic Memor™** radio model is compatible also with the 802.11 b standard and this grants the compatibility with existing 802.11 b Network Infrastructure.



Security

In the transition from 802.11 b to 802.11 g a new security standard has been introduced. This new security standard is named WPA2 and adds to the WPA the Automatic Encryption System Protocol. The new **Datalogic Memor™** radio model is provided with a Security Supplicant at factory level enabling the user to configure all the Security Settings (e.g. WEP, WPA, WPA2) in a very easy and intuitive way.

2.2. List Price and Availability

List price and sales conditions

Attached to this document you will find the Official Price List.

The discount conditions are the standard ones for the Mobile Computers main products and accessories.

For further information please refer to our **Datalogic Mobile Sales Department**.

Availability

The new model can be ordered starting from week 47 and the shipments will start on week 48.

Remaining at your disposal for any further information you may need, we send you our best regards

D A T A L O G I C Mobile.

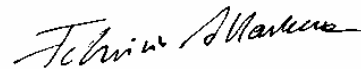
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