



# MDI Web For Telligence User Manual

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ASCOM UMS s.r.l. Unipersonale

Via Amilcare Ponchielli 29, 50018, Scandicci (FI), Italy

Tel. (+39) 055 0512161 – Fax (+39) 055 829030

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

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# 1. “MDI Web” and Product Web environment

## 1.1 Introduction

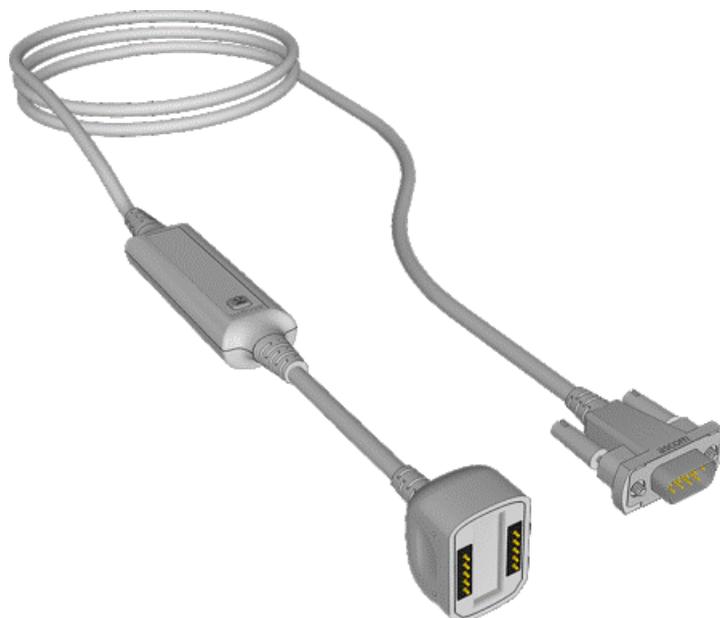
The present User Manual describes the features and functions of the “MDI Web” application.

The “MDI Web” application is intended to monitor the connection status of the Medical Devices to the MDI ports of the Telligence Nurse Call System.



**Fig 1 - Ascom Telligence Staff Station and MDI ports**

Medical Devices are connected to the MDI ports using a specific cable, the Ascom Smart Adapter. The Smart Adapter has a unique identifier in its memory, which allows the recognition of the cable itself: it is therefore possible to associate each Medical Device to a Smart Adapter.



**Fig 2 – Ascom Smart Adapter**

When the Smart Adapter of a Medical Device is connected to the MDI port, the whole Ascom Solution (Telligence + Digistat) automatically recognizes which Medical Device was connected to which MDI port.

The connection status of the Medical Device (e.g. “connected and communicating”, “searching”, etc.) is shown in the MDI Web application.”



Refer to the user manuals of the Ascom Telligence Nurse Call System for details on the Telligence Staff Station and on the MDI ports.

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***IMPORTANT!***

The “MDI Web” application presented in this User Manual can only be used for demo purposes. It cannot be used in a production environment.

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***IMPORTANT!***

The “MDI Web” application presented in this User Manual is optimized for Ascom Telligence Staff Station and in general for devices with touch screen display panel and screen resolution 740x420.

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## 1.2 Important Warnings

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For general and detailed information about the Product environment and the instruction for use of the Control Bar desktop software see last updated version of the document “Control Bar User Manual”. The knowledge of this document is necessary for a correct and safe use of the Product Web applications.

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The following browsers are supported for use with Product Web applications:

- Chrome 63
  - Firefox 56
  - Edge 41
  - Internet Explorer 11
- 



Only supported Web Browsers shall be used for Product Web.

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A Product Web workstation shall always have the Web Browser in foreground. Besides, the Web Browser shall never be used for anything else but Product Web (which also implies that the Product Web homepage shall be the default homepage of the Web Browser).

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The Browser's Display Scaling shall always be set to 100%.

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When the local network is at least partially based on Wi-Fi connections, given the intermittent nature of Wi-Fi connections, disconnects could occur which activate the Disconnected Mode (grey carpet covering Product Web) and thus the system may not be available. The healthcare structure must work to ensure optimal Wi-Fi coverage and instruct the staff on how to handle these temporary system outages

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## 2. Using “MDI Web”

### 2.1 Application start-up

To start the “MDI Web” application:

- Touch the corresponding icon on the device screen.

The “MDI Web” main screen will open (Fig 3).

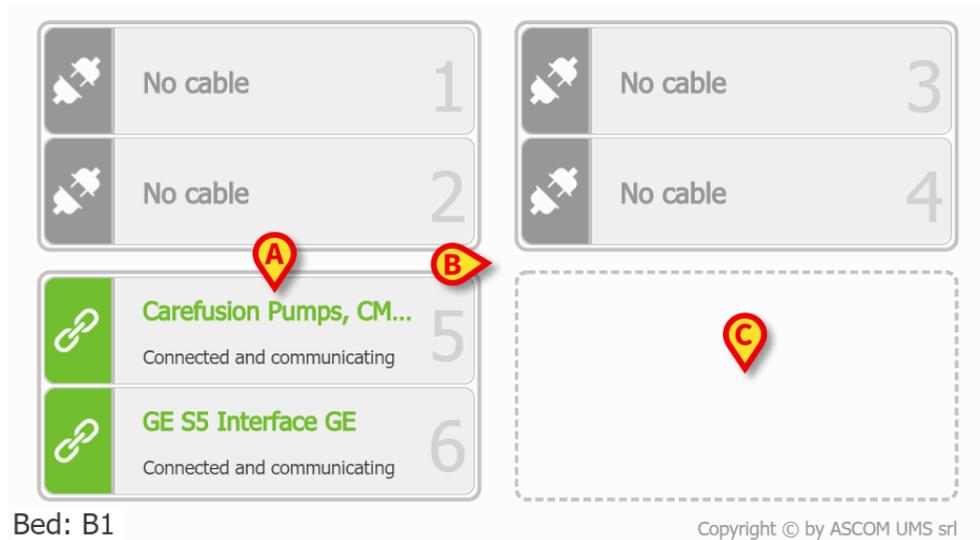


Fig 3

In the main screen of the MDI Web application, the MDI ports are represented in couples of tiles (Fig 3 **A**). The MDI App can be configured to show up to 8 MDI ports, which is the maximum number of MDI ports supported by a single Telligence Staff Station (Fig 3 **B**). In the configuration presented here, six ports are configured and thus the last couple is not shown (Fig 3 **C**).

For each port/cable, the following icon are possible: each of them corresponds to a specific status of port/cable connection.

Icon	Meaning
	Cable identified and Telligence waiting for data
	Cable identified and properly connected to port
	Cable identified and accidentally disconnected from port
	Cable disconnected (i.e. port with no cable)
	Cable not identified and properly connected to port

The color of icons is the same of led related to the considered port of the Telligence Staff Station.

In the lower left corner of the main screen is shown a label reporting the number of bed at which the Ascom Telligence Staff Station is associated.

**Bed: B1**

In the lower right corner of the main screen is shown a label reporting the copyright of the application.

**Copyright © by ASCOM UMS srl**

- Click on such label to display the “About Box” of the Product.

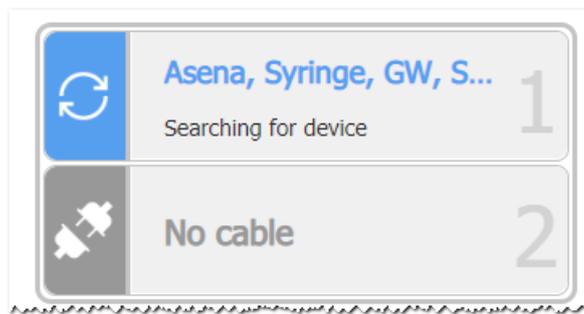
## 2.2 Cable Connection

Since a cable is connected to a free port of Telligence Staff Station, its cable identifier is read and compared with ones previously configured. The following two situations can happen:

- The cable is **identified** i.e. the cable was previously configured as associated to a specific device.
- The cable is **not identified** i.e. the cable was NOT previously configured as associated to a specific device.

### 2.2.1 Identified Cables

In case a cable previously associated to a device is connected to the Telligence Staff Station, the MDI Web App stands waiting to receive data from the device itself. It looks as follows:



Such aspect remains the same until data are received from the device. Just as example, if the device is turned off the aspect of MDI Web App will show the same icon until device is turned on. Once data are received, the aspect of MDI Web App will be the one presented above (Fig 3 A).

### 2.2.2 Unidentified Cables

In case a cable not associated to any device is connected to the Telligence Staff Station, the MDI Web application will be as follows:



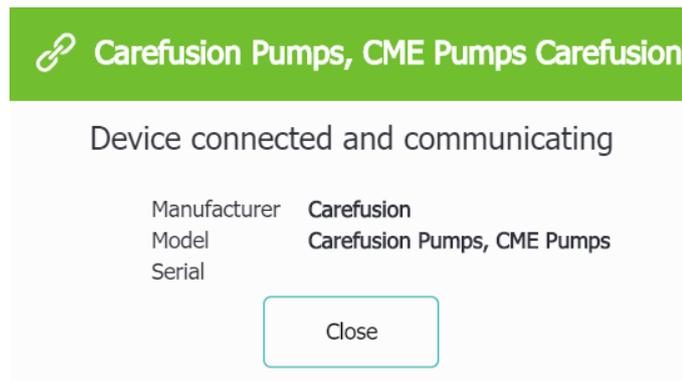
In the above picture, the label CID stands for “Cable Identifier”.

## 2.3 Device Information

For each port, the MDI Web App shows the name of the configured device corresponding to the cable connected to the selected port. Moreover, in case the medical device is a pump, the dose main data just like rate or drug name are also displayed. To obtain further information on the device:

- Touch the port tile of interest.

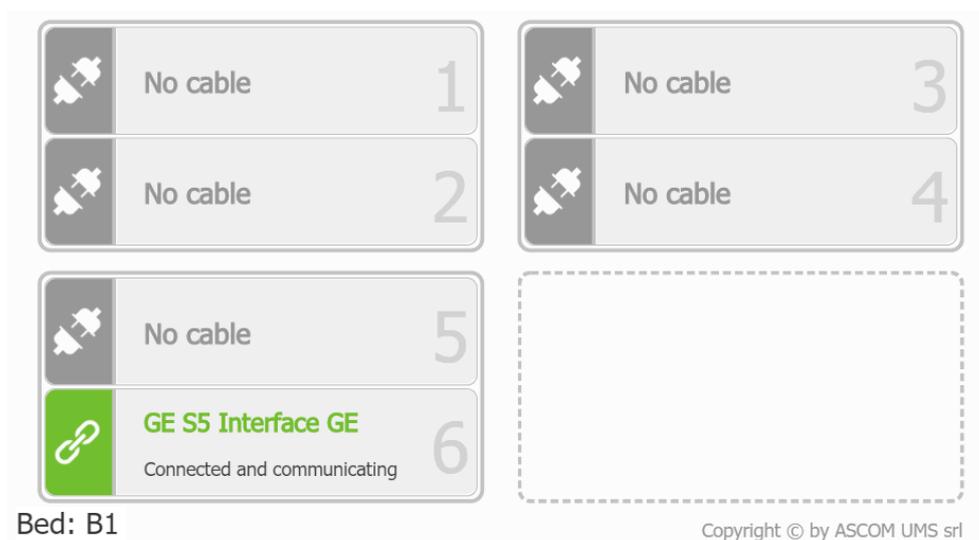
The following dialog window opens.



- Touch the **Close** button to close the dialog window.

## 2.4 Cable Disconnection

Each Ascom identified cable is equipped with a button: the user has to hold pressed the button and leave the magnetic connector from the Telligence Staff Station to disconnect the device corresponding to the cable. In this way, the cable is removed from MDI Web application interface:



It is however possible to disconnect the device/cable by only physically remove the magnetic connector from the Telligence Staff Station without pressing the disconnection button.

The MDI Web application considers this situation as an “accidental disconnection”. The MDI Web main screen becomes as follows:



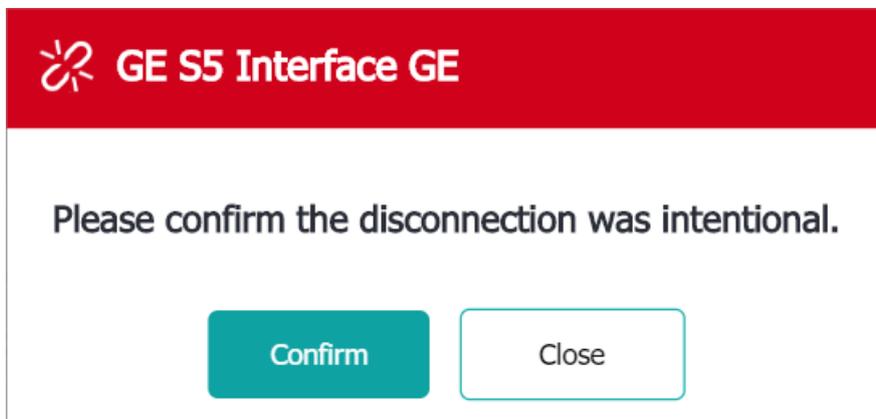
The tile corresponding to the port/cable accidentally disconnected results colored differently. Moreover, the specific icon  is also shown.

If the user re-connects the cable to the port accidentally disconnected, the MDI Web application main screen is restored at its previous aspect (Fig 3).

To confirm the disconnection of the cable (thus resulting “not accidental”):

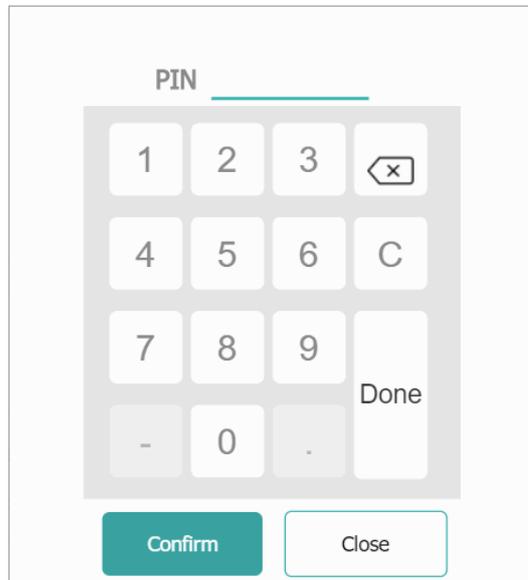
- Touch the port tile reporting the accidental disconnection;

The following dialog window is shown:



- Touch the **Confirm** button to confirm the cable disconnection.

The following window is show, asking the user to insert a PIN code defined during user configuration stage:



- Insert the PIN code and press the **Confirm** button or alternatively the **Done** button.

The MDI Web application main screen shows as empty the port previously signaling the accidental disconnection.

