Identity Mobile User Manual

Version 11.0

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0. Identity

For information about the Product environment, precautions, warnings and intended use see USR ENG Digistat Care and/or USR ENG Digistat Docs (depending on the modules installed - for the Digistat Suite EU) or USR ENG Digistat Suite NA (for Digistat Suite NA). The knowledge and understanding of the appropriate document are mandatory for a correct and safe use of Identity Mobile, described in this document.

0.1 Introduction

The Identity module allows to associate / detach devices and patients, thus making it possible to manage devices not associated with a bed and that can be moved from bed to bed.
The Identity module establishes a temporary association between patient and devices by means of barcodes / NFC tags associated to patients / devices.
The barcodes / NFC tags of patients must contain the **PatientCode** provided by the Healthcare Organization.
The barcode / NFC tags of devices must contain the **device label** provided by the Healthcare Organization (read the Server Installation and Operation manual for a detailed description of the device label configuration).

Identity can run on Android and iOS devices. Identity for Android is described in chapter 1. Identity for iOS is described in chapter 2.

The definition of the device label and the production of barcodes / NFC tags for patients and devices is under the responsibility of Healthcare Organization.

Identity does not work when patient anonymization is enabled, i.e. it cannot be used on patients whose personal data is not available for the current user because in these conditions safe patient identification is not possible. For the same reason, Identity cannot be used if no user is logged in. External events triggering user disconnection will also trigger the deselection of the module.

The user must provide authorization for camera and/or NFC before using the Identity Mobile app. Specific messages or warnings are provided to focus the user attention on this topic.

Only relevant for Android. Wireless infusion pumps are automatically disconnected from the patient when out of Wi-Fi coverage or powered off for more than the number of seconds specified in the configuration option “PatientDeviceAssocTimeout”.

If a patient is discharged and then readmitted, the devices remain associated to the previous patient admission. Use the Identity module to associate the devices to the most recent patient admission.

Only relevant for Android. It is necessary to associate the wireless infusion pump to the patient every time a new infusion is started.

0.2 Application Start-Up

To launch the Identity module, both on iOS and Android

- Tap the corresponding row on the Mobile Launcher main screen (Fig 1):

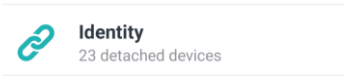

Fig 1

The Identity start page is displayed.

The Identity page that is displayed after clicking the row, and the related workflows, change according to the configuration of the "System Option" IdentityMode on the Digistat Configurator. Three options are available for Android:

- *Full mode (IdentityMode = 0; described in section 1.1);*
- *Domain mode (IdentityMode = 1; described in section 1.6);*
- *Single patient mode (IdentityMode = 2; described in section 1.7).*

Two options are available for iOS

- *Domain mode (IdentityMode = 1; described in section 2.1);*
- *Single patient mode (IdentityMode = 2; described in section 2.6).*

See the document DSO ENG System Options for more information.

1. Android

1.1 Full mode

The Full mode is available only for Android, not for iOS.
When in "Full mode" (IdentityMode "System Option" = 0) the start page is the one shown in Fig 2. The application displays all the patients having at least one device attached ("Assigned" tab, Fig 2 right). The patient search and selection procedures are performed on all the existing Digistat patients (see the document USR ENG Mobile Launcher for the patient search and selection procedures). The unknown patient creation functionality is available (described in section 1.4).

In Full Mode, the Identity main view is divided in two tabs:

- “Unassigned” (Fig 2 - left, selected by default) listing the not assigned devices.
- “Assigned” (Fig 2 - right) listing the patients and their assigned devices.

Tap the tab heading to display the tab contents (Fig 2 **A**).

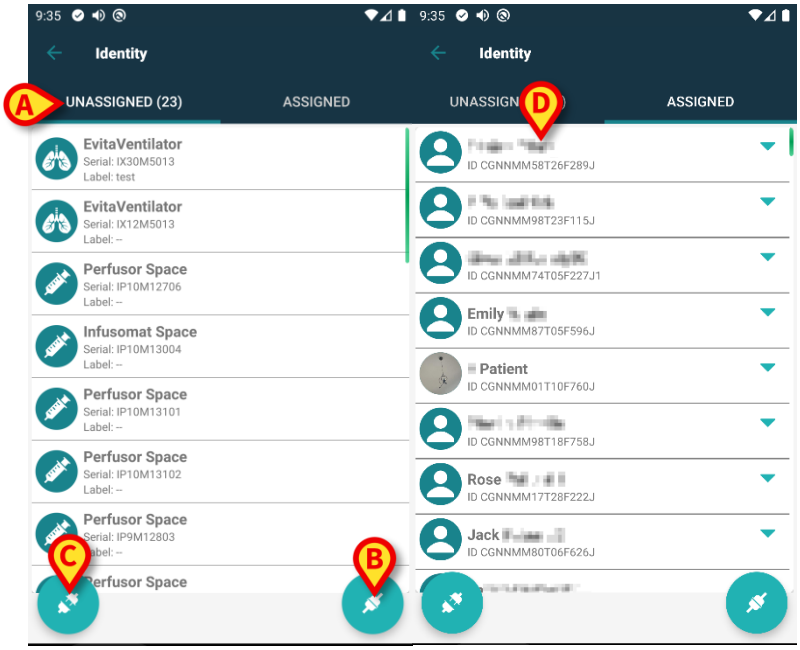

Fig 2

At the bottom of the main view there are two buttons (and). Tap the one on the right (Fig 2 **B**) to start the patient – device association workflow; tap the one on the left (Fig 2 **C**) to start the detachment workflow.

The workflows change if the Identity module is launched with a patient already selected. This case is described in section 1.3.

1.1.1 Unassigned devices

On the “Unassigned” screen, each item in the list refers to an unassigned device. Fig 3 shows an unassigned device.

Fig 3

An icon represents the device type. It is also shown the device name (Fig 3 **A**), the serial number and the label (if available - Fig 3 **B**). The label is the device code used to identify the device.

1.1.2 Assigned devices

In Fig 2 **D**, each tile in the list is related to a patient. Fig 4 shows a patient with one associated device. Tap the tile to display/hide the list of devices associated with the patient.

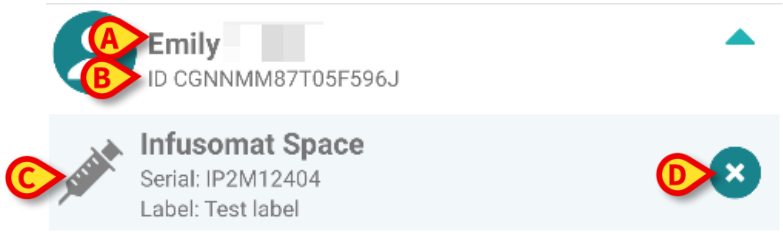

Fig 4

In Fig 4 the patient name (Fig 4 **A**) and the patient identification code (Fig 4 **B**) are displayed. By clicking on the patient row it is possible to expand the list of all devices associated to the patient (Fig 4 **C**). Each associated device has an icon representing its type, name, serial number and the label.

A icon on the right (Fig 4 **D**) allows the quick disassociation of the device.

1.2 Association workflow

The workflow allowing to associate devices to patients can be summarized as follows:

1. Start of workflow on the main screen;
2. Patient identification (via barcode or NFC tag);
3. Confirmation of identified patient;
4. Device identification (via barcode or NFC tag);
5. Confirmation of identified device.

1.2.1 Start of workflow

On the main screen of the Identity module, tap the icon (Fig 5 **A**):

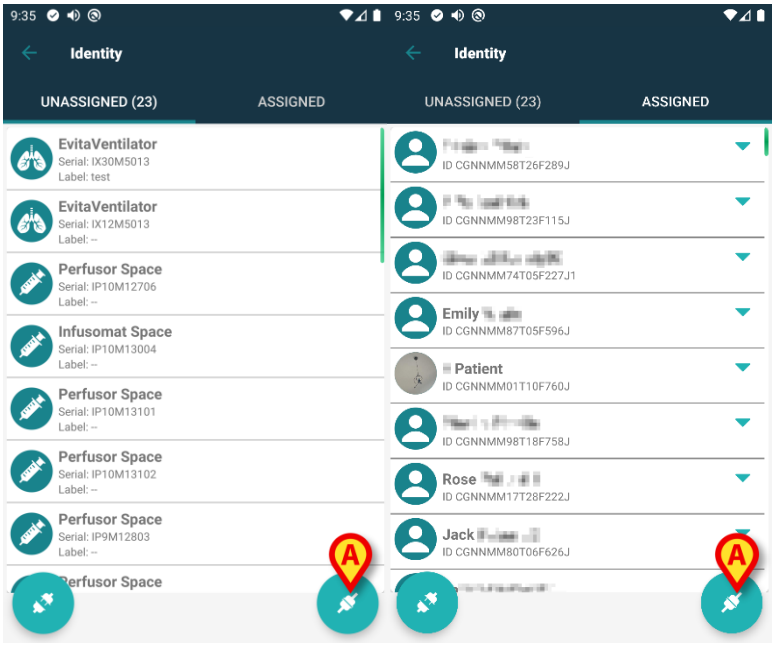

Fig 5

The association workflow is this way started. It is now necessary to identify the patient for which the association is required.

1.2.2 Patient identification

According to the configuration in use, it is possible to identify patients scanning their barcode or their NFC tag. A message is displayed reminding which kind of barcode / NFC tag is going to be scanned (patient or device).

Fig 6 shows the barcode scanning screen. NFC tag scanning is indicated by a specific icon - -.
Myco 3 devices, equipped with a dedicated physical button, do not display a “Scan” button on screen.

- Tap the button indicated in Fig 6 **A** to identify the patient.

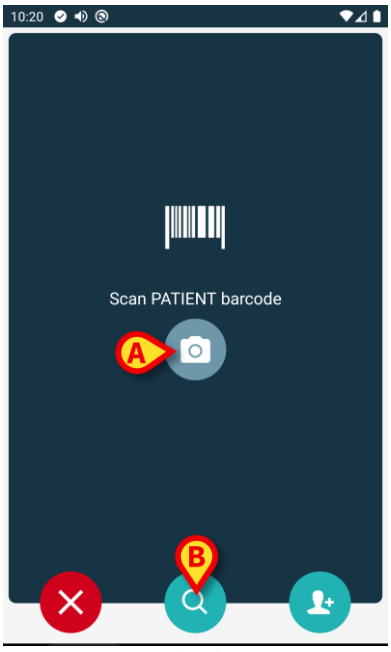

Fig 6

If the patient identification is not possible, a notification is shown to inform the user.
The button, available throughout the procedure, makes it possible to quit and go back to the devices list.

Besides barcode or NFC tag scanning, a textual search tool is available. Tap the icon to activate it (Fig 6 **B**). The following screen opens:

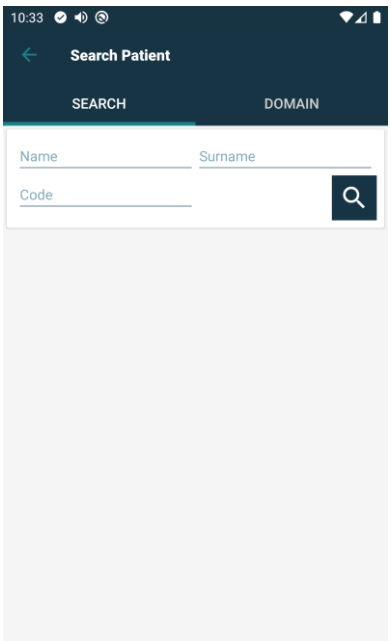

Fig 7

Refer to the Digistat Mobile Launcher User Manual (*USR ENG Mobile Launcher*) for a description of the patient search functionalities.

1.2.3 Confirmation of patient identification

A screen view is provided for the user showing the patient main data and a photo of the patient (if available; otherwise, a generic icon is displayed - Fig 8):

- Patient name, birth date, age, sex, identification code (Fig 8 **A**);
- Patient photo (Fig 8 **B**).

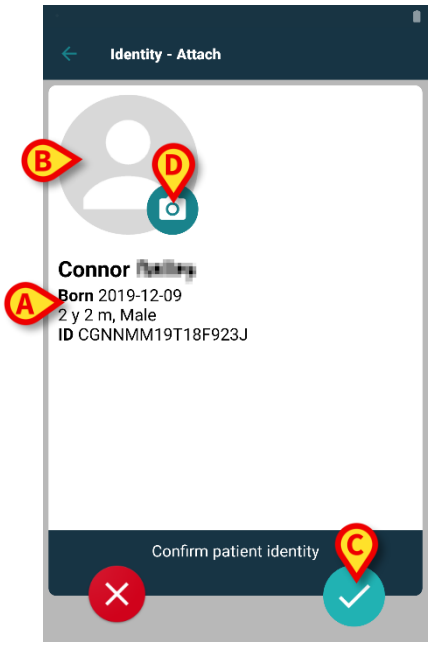

Fig 8

➢ Tap the button to confirm the patient identity (Fig 8 **C**).

If the patient photo is missing, it is possible to touch the button indicated in Fig 8 **D** to take a new one. This activates the handheld device camera. Some basic photo editing tools are available after clicking the button on the bottom right corner of the camera screen.

1.2.4 Device identification

After patient identification, it is possible to associate one or more devices. The following screen is displayed (Fig 9).

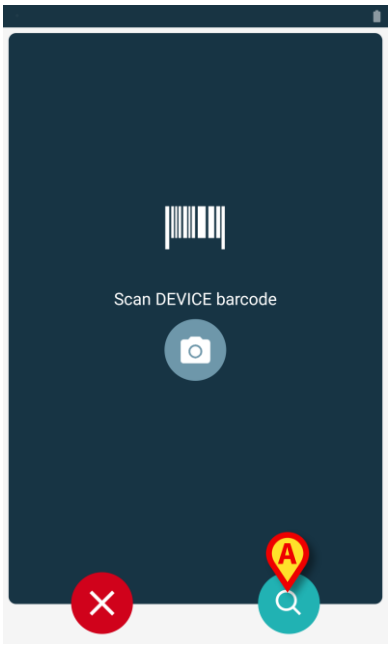

Fig 9

The device identification procedure is analogous to the patient identification procedure (section 1.2.2).

A textual search tool is available here too. Tap the icon to activate it (Fig 9 **A**). The following window opens:

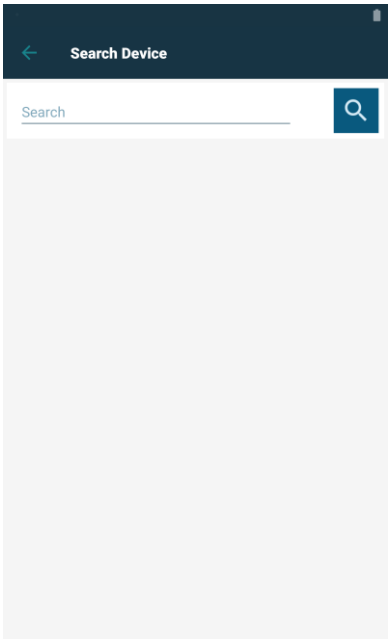

Fig 10

If the device identification is not possible (i.e.: device is not found or device associated to another patient), the procedure is stopped.

1.2.5 Confirmation of device identification

A screen is displayed, showing the device name and serial (Fig 11 **A**) and an image of the device (if available; otherwise, a generic icon is displayed - Fig 11 **B**). The name of the selected patient is indicated in Fig 11 **C**. The incoming data, if available, is displayed in the area indicated in Fig 11 **D**. If no real time dataset is available, the last dataset acquired is displayed, with the indication of the acquisition time (Fig 11 **E**).
Three buttons are present (Fig 11). Use the button in Fig 11 **F** to quit the device identification and go back to the device search. Use the button in Fig 11 **G** to confirm the device identification and conclude the association procedure. Use the button in Fig 11 **H** to confirm the device identification and proceed to identify another device.

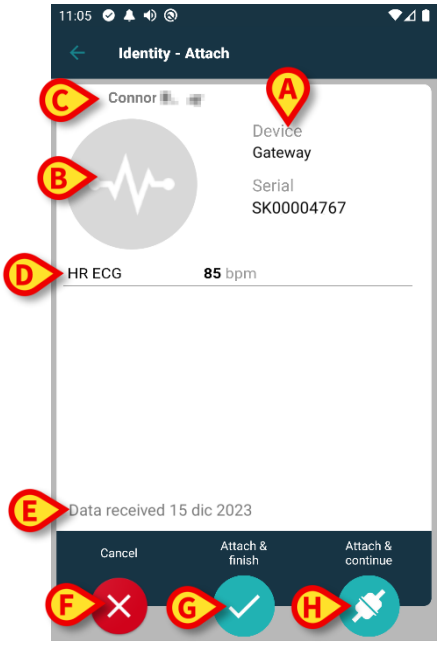

Fig 11

1.2.6 Link Syringe/Bag

For the infusion pumps an additional functionality is available, making it possible to link a Syringe or Bag to a specific pump. In these cases, after pump association, an additional button is displayed on screen (Fig 12 **A**).

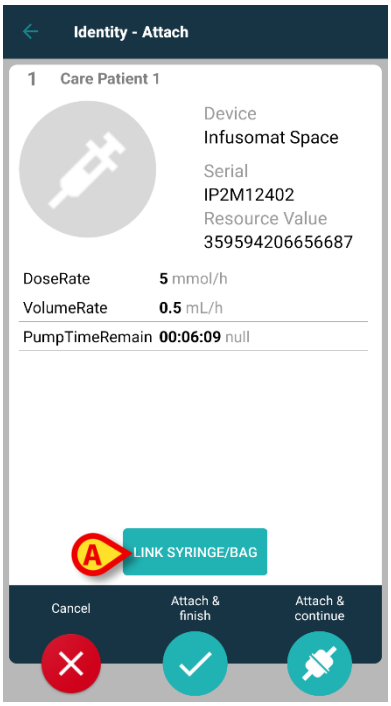

Fig 12

To link a Syringe/Bag:

- Tap the **Link Syringe/Bag** button (Fig 12 **A**).

The barcode/NFC tag reading screen opens (Fig 13)

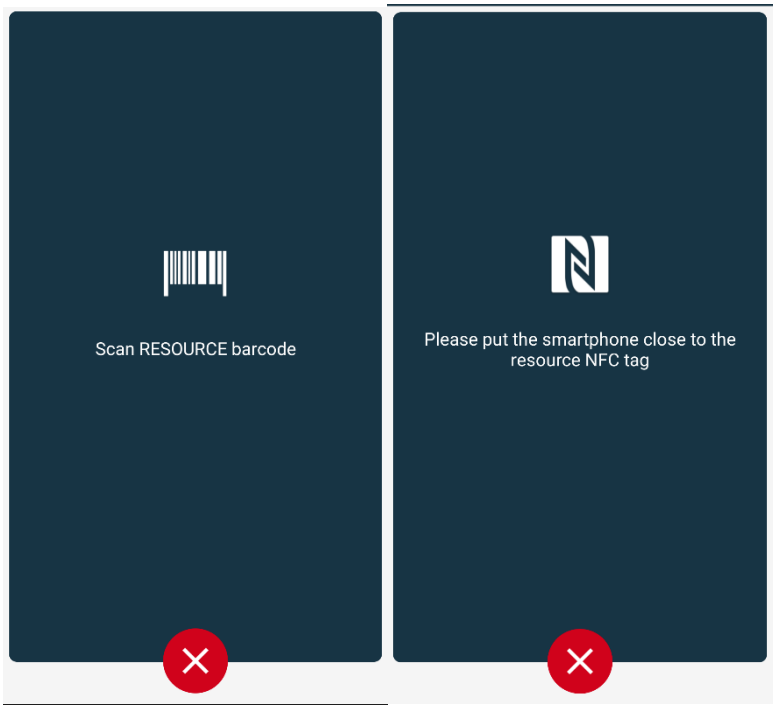

Fig 13

- Scan the syringe/bag barcode/NFC tag. The code of the linked syringe/bag will be displayed inside the pump tile (resource value - Fig 14 **A**).

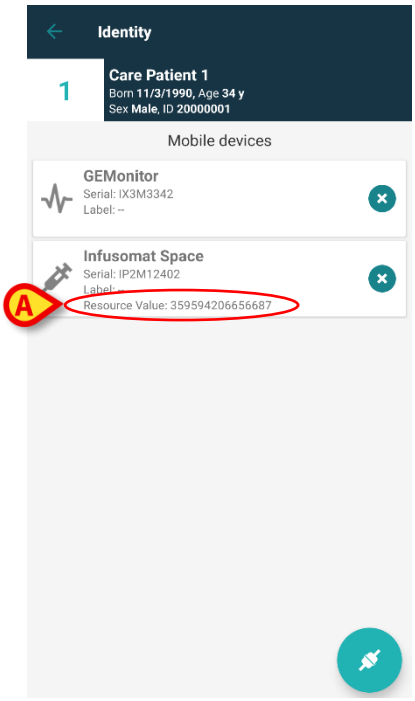

Fig 14

To remove a syringe/bag it is necessary to detach the pump. See section 1.5 for the detachment workflow.

To change syringe/bag, scan again the infusion pump barcode. The pump will be indicated as already attached, but the **Link Syringe/Bag** button will still be present.

- Tap the **Link Syringe/Bag** button again (Fig 12 **A**).
- Scan the barcode of the new Syringe/Bag.

The new resource value will be displayed inside the pump tile.

1.3 Workflows with selected patient

The Digistat Mobile environment allows to select a patient before module selection. See the document *USR ENG Mobile Launcher* for the procedure. If a patient is selected, the Mobile Launcher main screen shows, on top, the data of the selected patient (Fig 15 **A**).

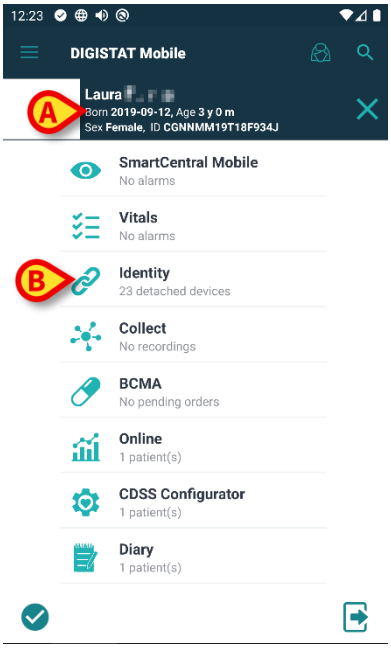

Fig 15

If the Identity module is launched after patient selection, the available procedures refer to the selected patient. This section describes this case.

- Select a patient as described in the Digistat Mobile Launcher user manual (*USR ENG Mobile Launcher*).

Patient data is displayed on screen (Fig 15 **A**).

- Tap “Identity” to launch the Identity module (Fig 15 **B**).

The Identity module main screen is displayed (Fig 16). The “Unassigned devices” tab is displayed by default (Fig 16 **A**). The selected patient data is still displayed on top (Fig 16 **B**).

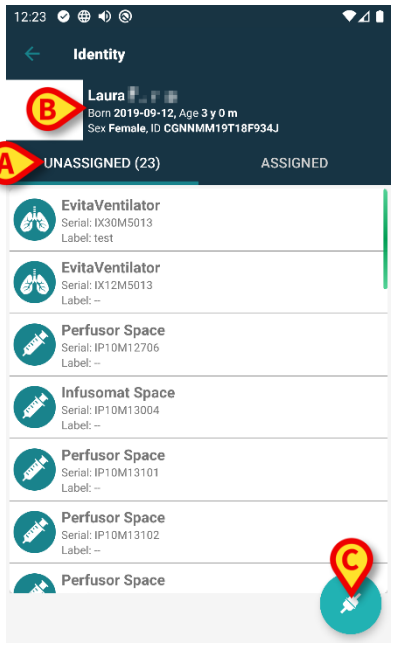

Fig 16

Only the “Associate” button is present on the right (Fig 16 **C**).

1.3.1 Device association with selected patient

To associate a device

- Tap the “Associate” button (Fig 16 **C**).

The “Device barcode scan” screen is displayed (Fig 17).

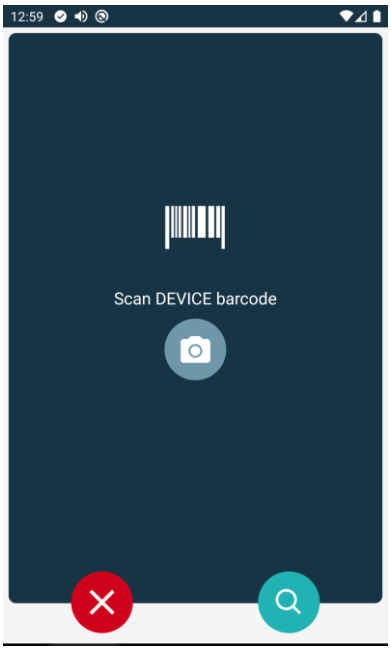

Fig 17

- Complete the procedure as described in sections 1.2.4 and 1.2.5.

1.3.2 Device detachment with selected patient

To detach a device for a selected patient:

- Tap the “Assigned” tab (Fig 18 **A**).

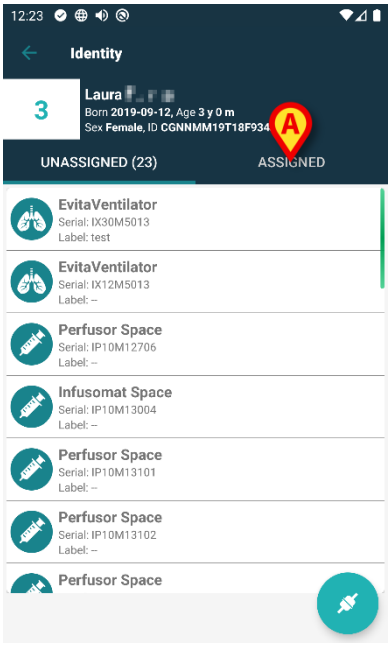

Fig 18

A screen is displayed listing all - and only - the devices associated to the selected patient (Fig 19).

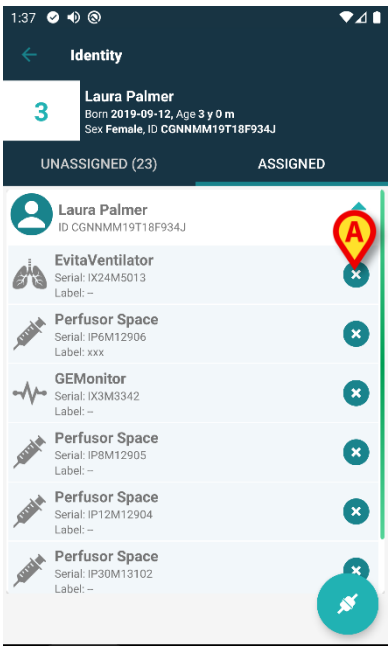

Fig 19

- Tap the  icon on the right to detach the corresponding device (Fig 19 **A**).

User confirmation is required. Tap **Ok** to confirm the device detachment.

1.4 Association procedure for unknown patient

It is possible to associate devices to patients with unknown data (for example: patients not admitted or admitted with temporary data).

To do that:

- Tap the icon indicated in Fig 5 **A**.

The following screen is displayed (Fig 20, or the one related to NFC tag scan, depending on configuration).

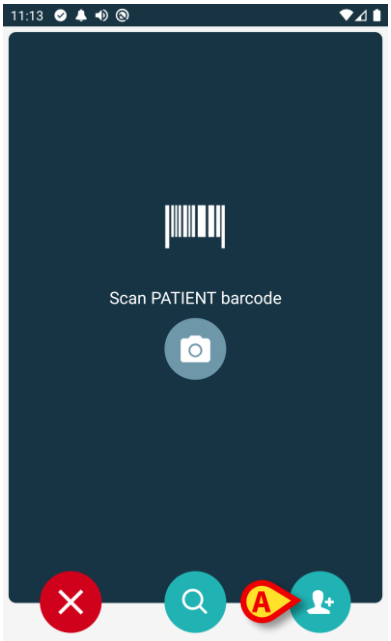

Fig 20

- Tap the icon indicated in Fig 20 **A**.

The following screen is displayed (Fig 21)

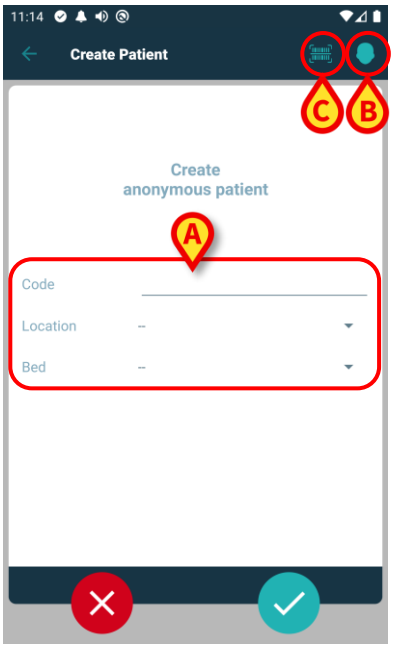

Fig 21

If patient data is unknown:

- Insert the patient location and bed and a temporary patient code (Fig 21 **A**).

If patient data is available:

- Tap the “Create Patient” icon (Fig 21 **B**).

The following screen opens.

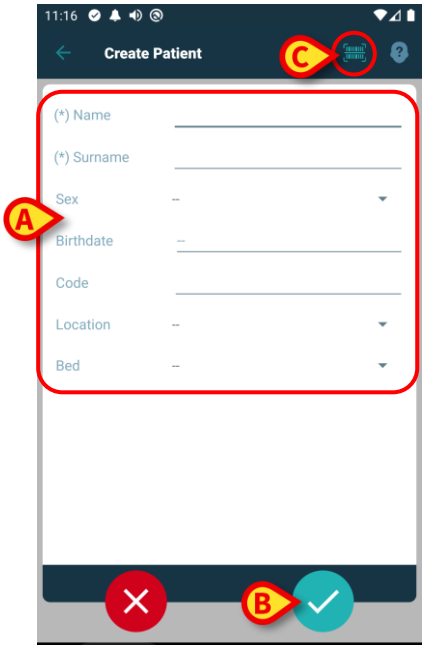

Fig 22

- Insert the available data: patient name and surname, sex, birthdate, bed and location (Fig 22 **A**). The **Name** and **Surname** fields are mandatory.

- Tap the button (Fig 21 **C** - Fig 22 **C**) to acquire the patient barcode (or NFC scheme), if available. The NHS patient code could be this way retrieved, for example. A screen like the one displayed in Fig 23 is displayed.

Fig 23

- Tap the icon when done (Fig 22 **B**).

User confirmation is required. Tap **Ok** to confirm. The following screen is displayed, summarizing the inserted patient data (Fig 24).

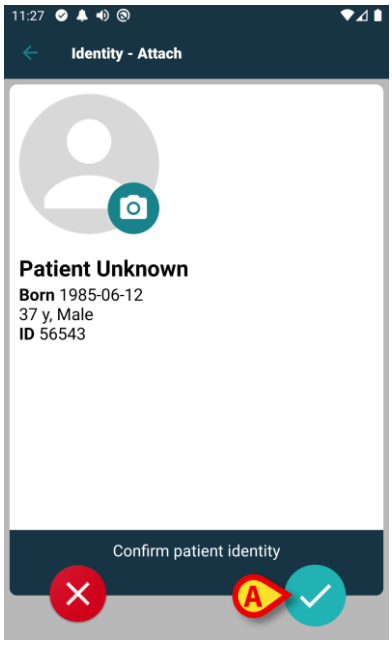

Fig 24

- Tap the icon to confirm (Fig 24 **A**).

It is now possible to select a device to be associated to the new patient. The device association procedure is the same described above (from paragraph 1.2.1 on).

The patient data inserted using the procedure here described is temporary and should be reconciled with the actual one. See the Patient Explorer user manual (USR ENG Patient Explorer) for the Reconciliation procedure.

1.5 Detachment workflow

The patient-device detachment workflow can be summarized as follows:

1. Start of workflow on the application main screen;
2. Device identification (via barcode or NFC tag);
3. Confirmation of the identified device;
4. Optional identification of other devices (repeat steps 2 and 3);
5. End of process.

*Whenever the icon is present on the right of the device-tile, the corresponding device can be quickly detached by clicking the icon (Fig 25 **A**).*

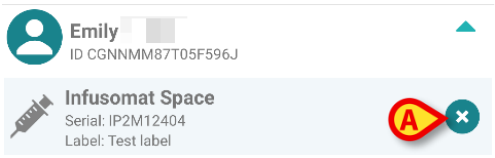

Fig 25

1.5.1 Detachment procedure

In the main screen of the Identity module, tap the icon (Fig 26 **A**):

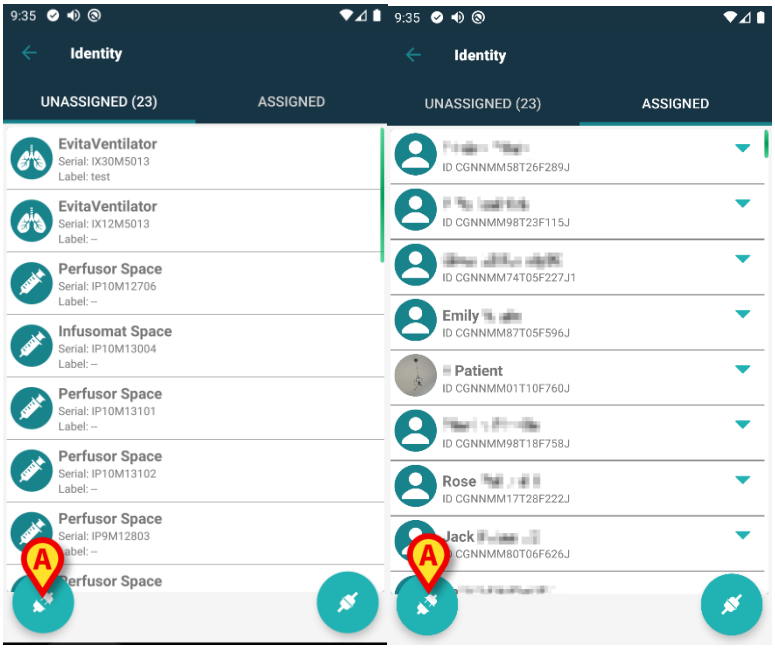

Fig 26

The device identification screen is displayed (Fig 27).

1.5.2 Device identification

The device identification procedure is described in paragraph 1.2.4.

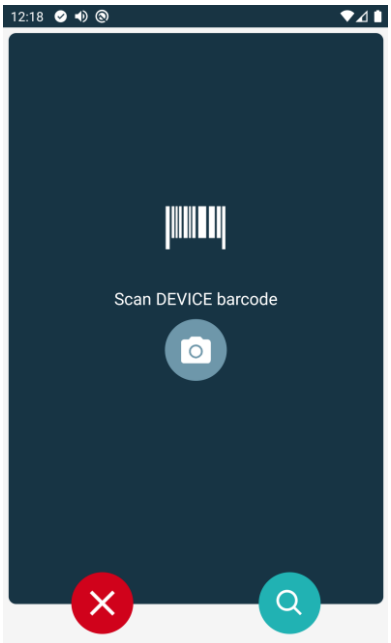

Fig 27

1.5.3 Confirmation of device identification

The device identification screen (Fig 28) is described in paragraph 1.2.5.

Fig 28

The buttons are different.

Use the  button (Fig 28 **A**) to confirm the device identification and conclude the detachment procedure. Use the  button (Fig 28 **B**) to confirm the device identification and proceed to detach another.

1.6 Domain mode (Android)

When in "Domain mode" (IdentityMode System Option = 1) - the start page is the one displayed in Fig 30. The application displays the current user's MyPatients and the Unattended Patients (See the document USR ENG Mobile Launcher for the definition of MyPatients and Unattended Patients). The patient search and selection procedure (see USR ENG Mobile Launcher) is performed on all the existing Digistat patients. Therefore, a patient outside the current user domain can be selected but, if a device is associated to this patient, the patient remains not visible unless it is added to the user's MyPatients list. The unknown patient creation functionality is available (described in section 1.4).

- Tap the "Identity" row on the Mobile Launcher main screen to launch the Identity application (Fig 29).

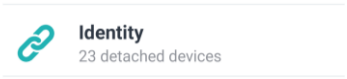

Fig 29

The following screen is displayed (Fig 30).

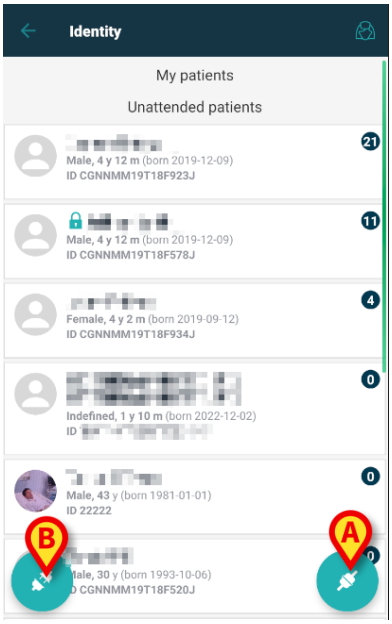

Fig 30

This screen displays the current user's MyPatients and the Unattended Patients. Each tile refers to a patient.

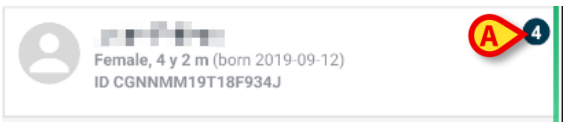

Fig 31

The patient's main data is displayed in the tile. A small number on the right indicates the number of devices currently associated to the patient (Fig 31 **A**)

The number includes both the "Identity" and the "Static" devices if the System Option OnlyIdentityDevices = 0. See below for the definition of "Static" devices.

- Tap the button (Fig 30 **A**) to start the association workflow (as explained in section 1.2).
- Tap the button (Fig 30 **B**) to start the detachment workflow (as explained in section 1.5).
- Tap a "patient tile" (ex. shown in Fig 31) to display the list of devices associated to the patient. The following screen is displayed (Fig 32).

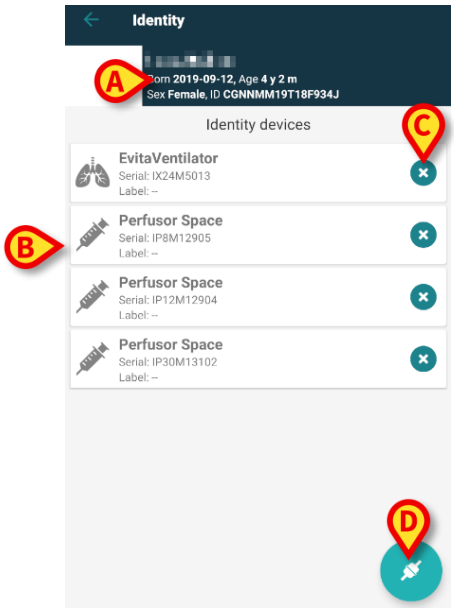

Fig 32

Patient data is on top (Fig 32 **A**). The devices associated to the patient are listed on the page (Fig 32 **B**).

- Tap a tile to display the data acquired by the corresponding device (Fig 33).

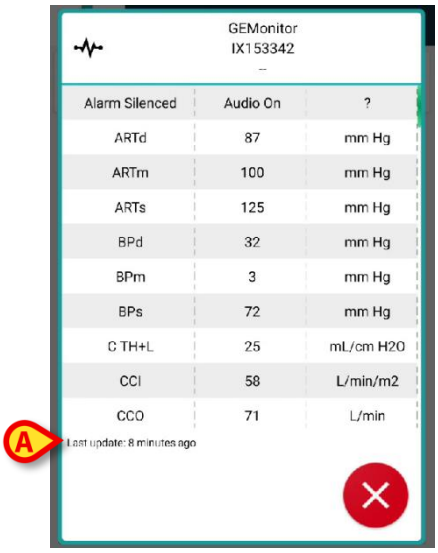

Fig 33

The acquisition time is indicated below the list of parameters (Fig 33 **A**).

After one minute a refresh button is displayed on the window making it possible to update the displayed data (Fig 34 **A**).

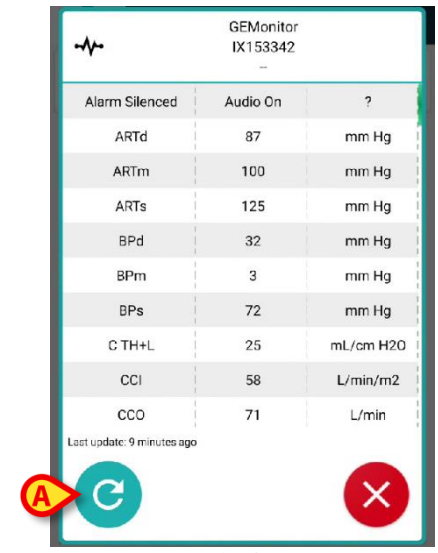

Fig 34

If a configured time has passed after the last dataset was sent by a device, then the dataset is considered as "too old" and not displayed. The time span depends on the ElapsedMinutes "System Option". See the document DSO ENG System Options for more information.

The icon placed on the right of a tile allows to quickly detach the corresponding device (Fig 32 **C**).

Tap the button (Fig 32 **D**) to start the association workflow of another device for the selected patient.

Depending on configuration, it is possible to display on this page also the “Static devices” besides the “Identity devices”. See Fig 35 **A** for an example. The “Static devices” are those devices that are linked to the specific bed, as opposed to “Identity devices” that can be moved from one bed to another according to necessity. “Static devices” cannot be managed via the Identity mobile application (neither associated nor detached: “Static Devices” are managed on the Digistat Web Configurator – see the Digistat Suite configuration manual - *CFG ENG Digistat Suite* - for instructions).

The “Static devices” option depends on the OnlyIdentityDevices “System Option”. See the document DSO ENG System Options for more information.

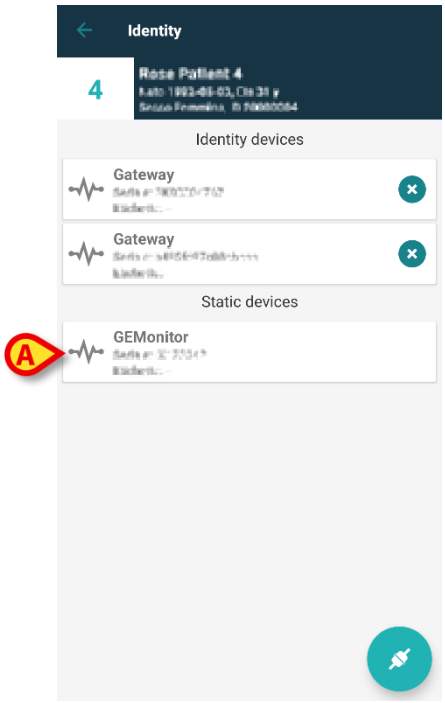

Fig 35

1.7 Single patient mode (Android)

When in "Single Patient mode" (IdentityMode System Option = 2) - the start page is the patient search page (Fig 37). The patient search and selection procedures (see USR ENG Mobile Launcher) are performed on all the existing Digistat patients. The unknown patient creation functionality is available (section 1.4).

- Tap the "Identity" row on the Mobile Launcher main screen to launch the Identity application (Fig 36).

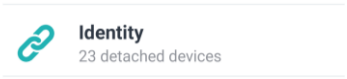

Fig 36

The following screen is displayed (Fig 37).

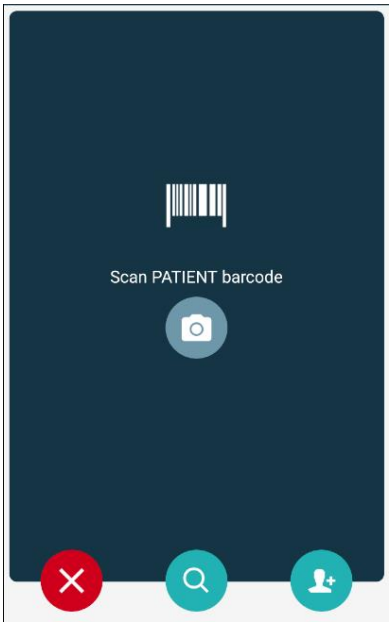

Fig 37

- Search, select and identify the patient as described in sections 1.2.2 and 1.2.3.

After patient identity confirmation, the screen listing all the devices associated to the patient is displayed (the one shown in Fig 32 – see the figure and the related description for instructions).
The possibility to display the "Static devices" and the parameters list is here available too.

2. iOS

2.1 Domain mode

When in "Domain mode" (IdentityMode System Option = 1) - the start page is the one displayed in Fig 39. *The application displays the patients belonging to the domain of the current user. The Unattended Patients are not displayed. The patient search and selection procedure (see USR ENG Mobile Launcher) is performed on all the existing Digistat patients. Therefore, a patient outside the current user domain can be selected but, if a device is associated to this patient, the patient remains not visible unless it is added to the user's domain. The unknown patient creation functionality is available (described in section 2.5).*

- Tap the "Identity" row on the Mobile Launcher main screen to launch the Identity application (Fig 38).

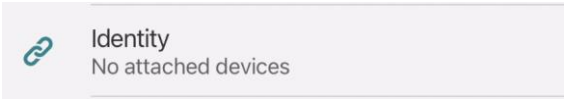

Fig 38

The following screen is displayed (Fig 39).

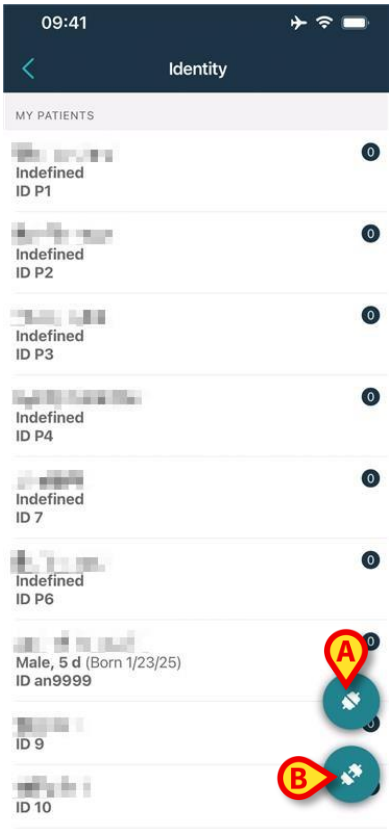

Fig 39

This screen displays the patients belonging to the current user's Domain. Each tile refers to a patient.

On iOS - the Unattended patients are not displayed.

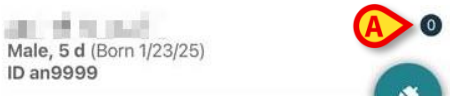

Fig 40

The patient's main data is displayed in the tile. A small number on the right indicates the number of devices currently associated with the patient (Fig 40 **A**).

The number includes both the "Identity" and the "Static" devices if the System Option OnlyIdentityDevices = 0. See below for the definition of "Static" devices.

- Tap the button (Fig 39 **A**) to start the association workflow (as explained in section 2.2).
- Tap the button (Fig 39 **B**) to start the detachment workflow (as explained in section 2.3).
- Tap a "patient tile" to display the list of devices associated to the patient. The following screen is displayed (Fig 41).

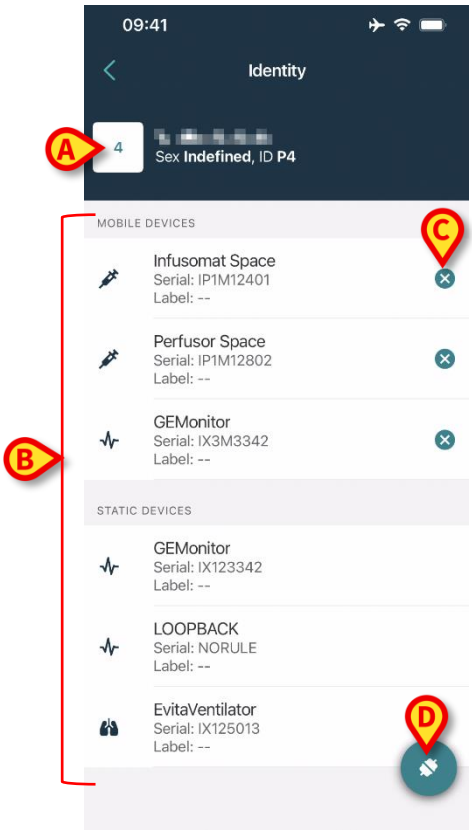

Fig 41

Patient data is on top (Fig 41 **A**). The devices associated to the patient are listed on the page (Fig 41 **B**).

- Tap a tile to display the data acquired by the corresponding device (Fig 42).

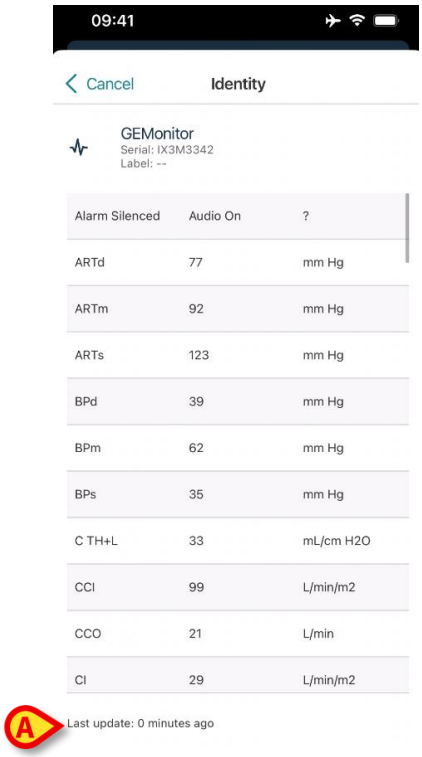

Fig 42

The parameters acquisition time is indicated below the list of parameters (Fig 42 **A**).

After one minute a refresh button is displayed on the window making it possible to update the displayed data (Fig 43 **A**).

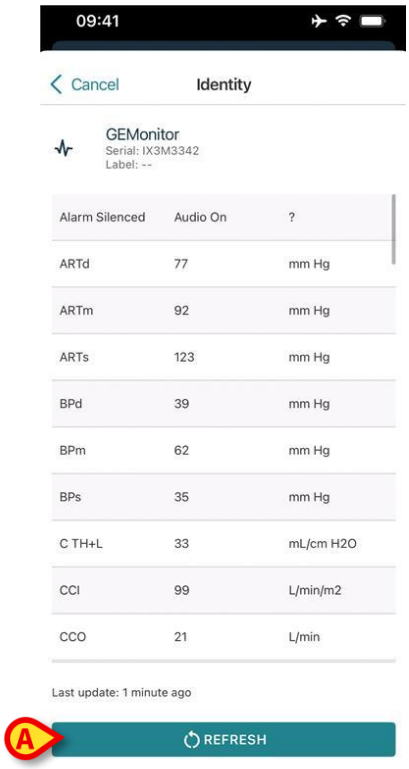

Fig 43

If a configured time has passed after the last dataset was sent by a device, then the dataset is considered as "too old" and not displayed. The time span depends on the ElapsedMinutes "System Option". See the document DSO ENG System Options for more information.

The icon placed on the right of a tile allows to quickly detach the corresponding device (Fig 41 **C**).

Tap the button (Fig 41 **D**) to start the association workflow of another device for the selected patient.

Depending on configuration, it is possible to display on this page also the "Static devices" besides the "Identity devices". See Fig 44 **A** for an example. The "Static devices" are those devices that are linked to the specific bed, as opposed to "Identity devices" that can be moved from one bed to another according to necessity. "Static devices" cannot be managed via the Identity mobile application (neither associated nor detached: "Static Devices" are managed on the Digistat Web Configurator – see the Digistat Suite configuration manual - *CFG ENG Digistat Suite* - for instructions).

The "Static devices" option depends on the OnlyIdentityDevices "System Option". See the document DSO ENG System Options for more information.

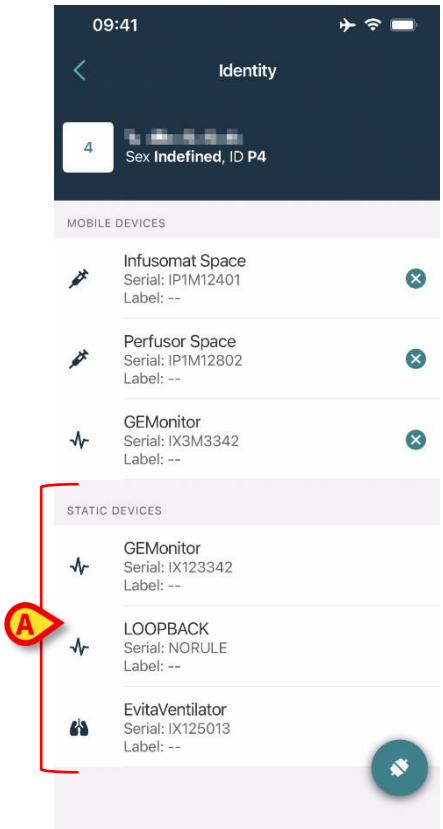

Fig 44

2.2 Association workflow for iOS

The association workflow for iOS is the same as the one for Android. The screens layout and the buttons position sometimes change; this paragraph shows the specific workflow for iOS users.

The workflow allowing to associate devices to patients can be summarized as follows:

1. Start of workflow on the main screen;
2. Patient identification (via barcode or NFC tag);
3. Confirmation of identified patient;
4. Device identification (via barcode or NFC tag);
5. Confirmation of identified device.

2.2.1 Start of workflow

On the main screen of the Identity module, tap the icon (Fig 45 **A**):

Fig 45

The association workflow is this way started. It is now necessary to identify the patient for which the association is required.

2.2.2 Patient identification

According to the configuration in use, it is possible to identify patients scanning their barcode or their NFC tag. A message is displayed reminding which kind of barcode / NFC tag is going to be scanned (patient or device).

Fig 46 shows the barcode scanning screen. NFC tag scanning is indicated by a specific icon - -.

- Tap the button indicated in Fig 46 **A** to identify the patient.

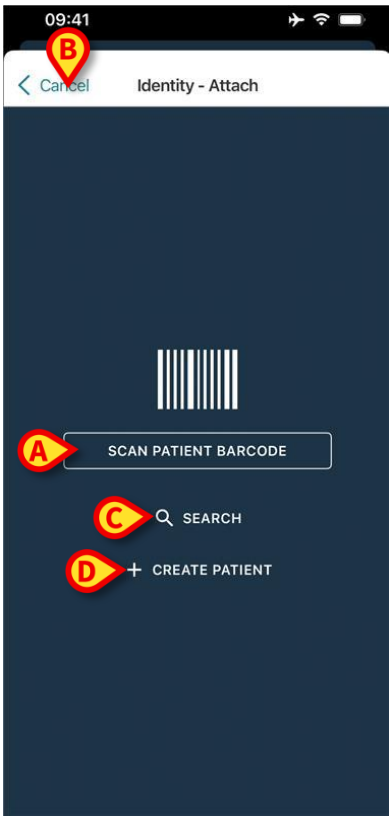

Fig 46

If the patient identification is not possible, a notification is shown to inform the user.
The “Cancel” button (Fig 46 **B**) makes it possible to quit and go back to the patients list.

A textual search tool is available. Tap the button indicated in Fig 46 **C** to activate it. The following screen opens:

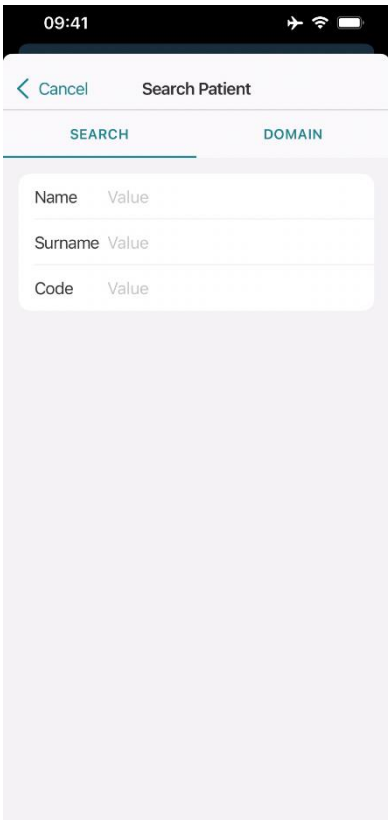

Fig 47

Refer to the Digistat Mobile Launcher User Manual (*USR ENG Mobile Launcher*) for a description of the patient search functionalities.

If the patient selection is not successful, not by barcode nor by textual search, it is possible to create the patient to which the device will be associated.

- Click the **Create Patient** button (Fig 46 **D**) to activate the “anonymous” patient creation procedure.

The “anonymous” patient creation procedure is described in section 2.5.1.

2.2.3 Confirmation of patient identification

After barcode recognition, a pop up is provided for the user to confirm the selected patient identity (Fig 48).

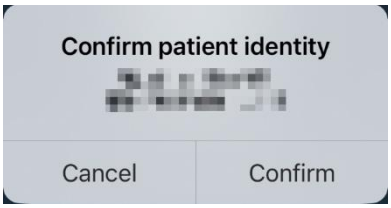

Fig 48

- Click the **Confirm** button to confirm.

The device identification screen will be displayed (Fig 49).

2.2.4 Device identification

After patient identification, it is possible to associate one or more devices. For this purpose, the following screen is displayed (Fig 49).

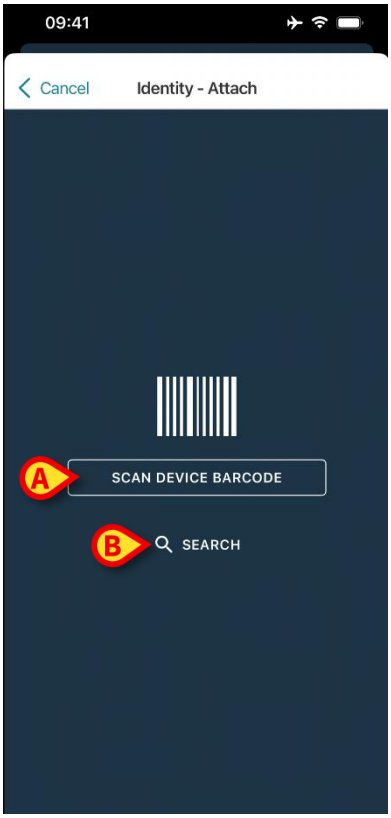

Fig 49

The device identification procedure is analogous to the patient identification procedure (section 2.2.2).

- Click the button indicated in Fig 49 **A** to scan the device barcode.

A textual search tool is also available. Tap the **Search** button to activate it (Fig 49 **B**). The following window opens:

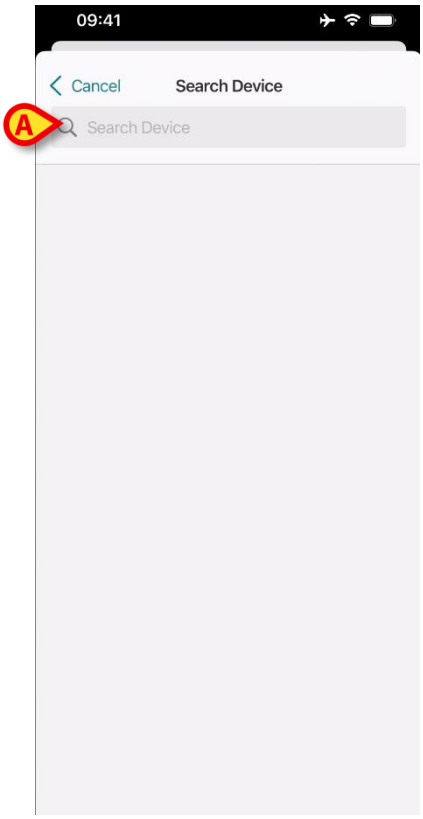

Fig 50

Insert the device data in the field indicated in Fig 50 **A**. The results matching the inserted data will be displayed. Tap the result corresponding to a device to select it.

If the device identification is not possible (i.e.: the device is not found or the device is associated to another patient), the procedure is stopped.

2.2.5 Confirmation of device identification

After device selection, a screen is displayed, showing the device name and serial number (Fig 51 **A**).The name of the selected patient is indicated in Fig 51 **B**. The incoming data, if available, is displayed in the area indicated in Fig 51 **C**. If no real time dataset is available, the last dataset acquired is displayed, with the indication of the acquisition time.
Two buttons are present. Use the button in Fig 51 **D** to confirm the device identification and conclude the association procedure. Use the button in Fig 51 **E** to confirm the device identification and proceed to identify another device.

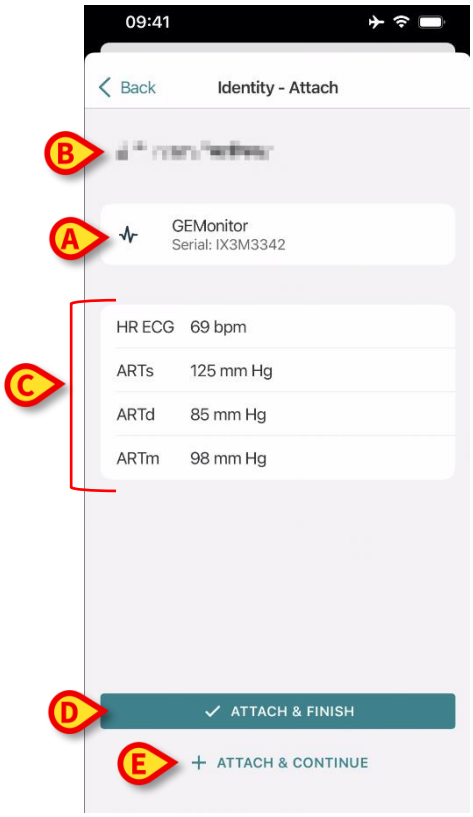

Fig 51

2.2.6 Link Syringe/Bag

For the infusion pumps, an additional functionality is available, making it possible to link a Syringe or Bag to a specific pump. In these cases, after pump association, an additional button is displayed (**Link Syringe/Bag** Fig 52 **A**).

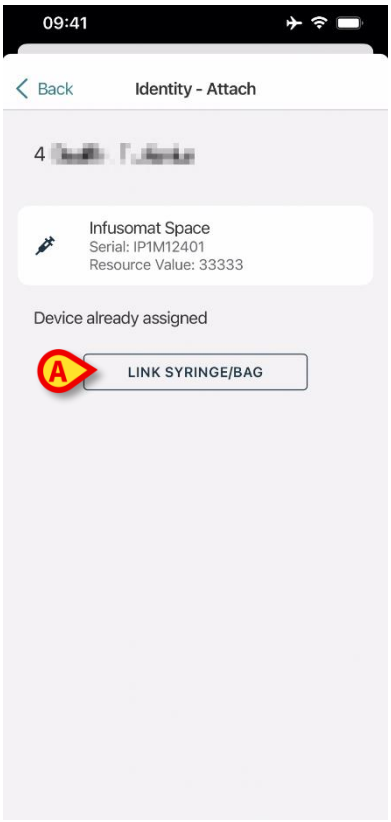

Fig 52

To link a Syringe/Bag:

- Tap the **Link Syringe/Bag** button (Fig 52 **A**).

The barcode/NFC tag reading screen opens (Fig 53)

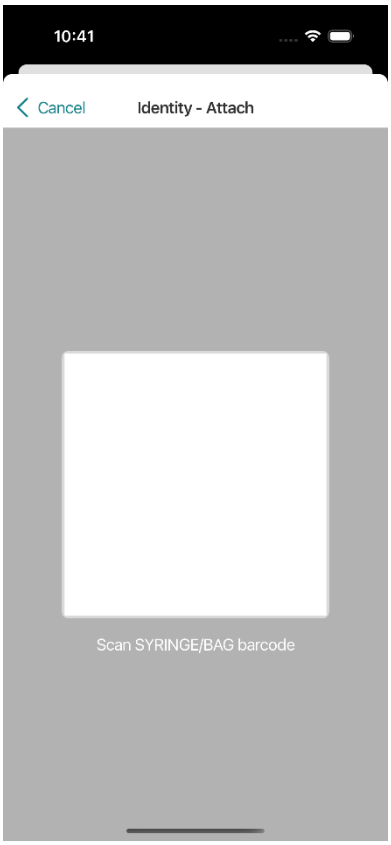

Fig 53

- Scan the Syringe/bag barcode. The code of the linked syringe/bag will be displayed inside the pump tile (as “resource value” - Fig 54 **A**).

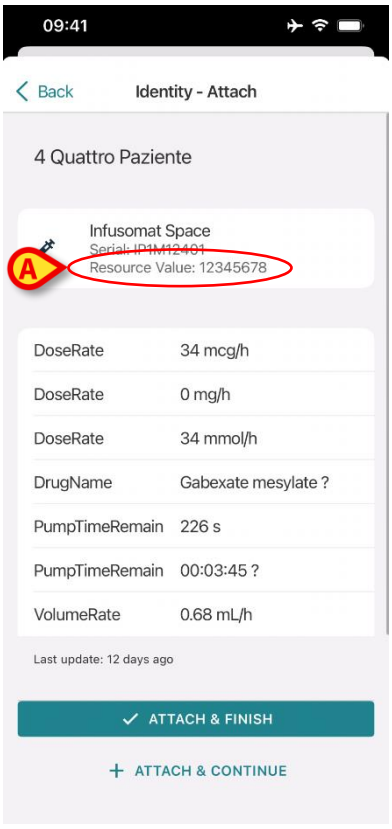

Fig 54

To remove a syringe/bag it is necessary to detach the pump. See section 2.3 for the detachment workflow.

To change syringe/bag, scan again the infusion pump barcode. The pump will be indicated as already attached, but the **Link Syringe/Bag** button will be present.

- Tap the **Link Syringe/Bag** button again (Fig 52 **A**).
- Scan the barcode of the new Syringe/Bag.

2.3 Detachment workflow (iOS)

The patient-device detachment workflow can be summarized as follows:

1. Start of workflow on the application main screen;
2. Device identification (via barcode or NFC tag);
3. Confirmation of the identified device;
4. Optional identification of other devices (repeat steps 2 and 3);
5. End of process.

---

*Whenever the icon is present on the right of the device-tile, the corresponding device can be quickly detached by clicking the icon (Fig 55 **A**).*

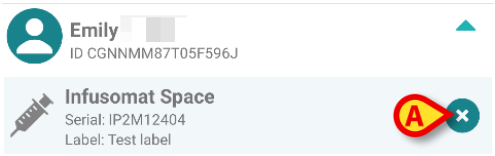

Fig 55

2.3.1 Detachment procedure

In the main screen of the Identity module, tap the icon (Fig 56 **A**):

Fig 56

The device identification screen is displayed (Fig 57).

2.3.2 Device identification

The device identification procedure is described in paragraph 2.2.4.

Fig 57

- Either scan the device barcode or use the textual search tool.

The screen shown in Fig 58 is displayed.

2.3.3 Confirmation of device identification

The device identification screen (Fig 58) is described in paragraph 2.2.5.

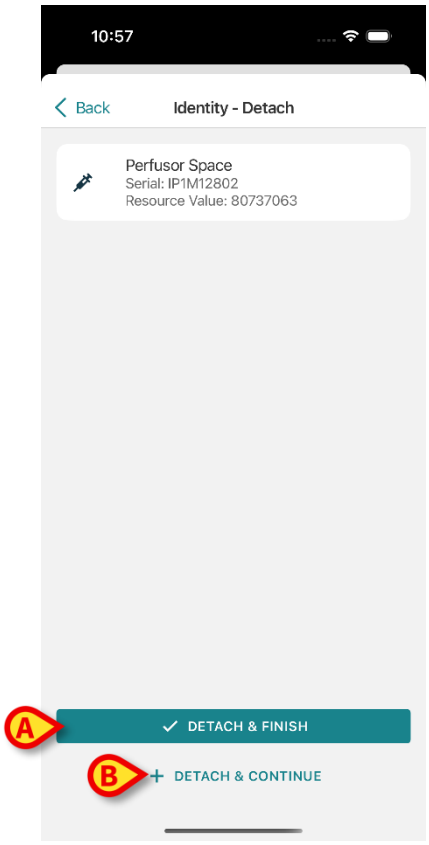

Fig 58

The buttons are different.
Use the **Detach and Finish** button (Fig 58 **A**) to confirm the device identification and conclude the detachment procedure. Use the **Detach and Continue** button (Fig 58 **B**) to confirm the device identification and proceed to detach another.

2.4 Workflows with selected patient

The Digistat Mobile environment allows to select a patient before module selection. See the document *USR ENG Mobile Launcher* for the procedure. If a patient is selected, the Mobile Launcher main screen shows, on top, the data of the selected patient (Fig 59 **A**).

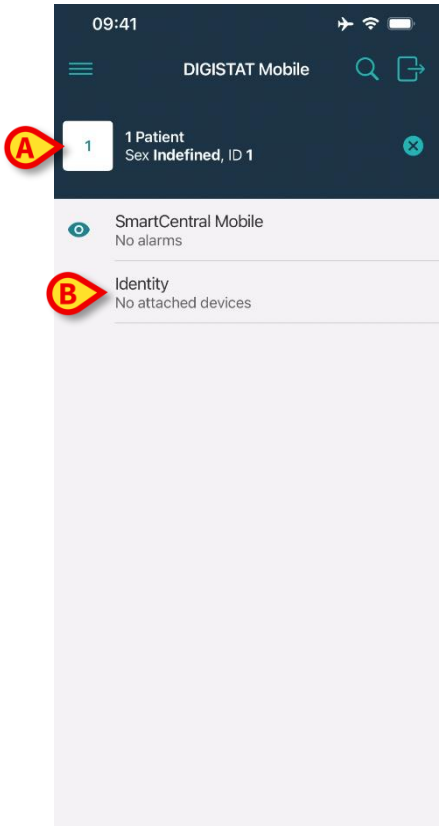

Fig 59

If the Identity module is launched after patient selection, the available procedures refer to the selected patient. This section describes this case.

- Select a patient as described in the Digistat Mobile Launcher user manual (*USR ENG Mobile Launcher*).

Patient data is displayed on screen (Fig 59 **A**).

- Tap “Identity” to launch the Identity module (Fig 59 **B**).

The Identity module main screen is displayed (Fig 60). The selected patient data is still displayed on top (Fig 60 **A**). The screen lists the devices currently associated to the patient.

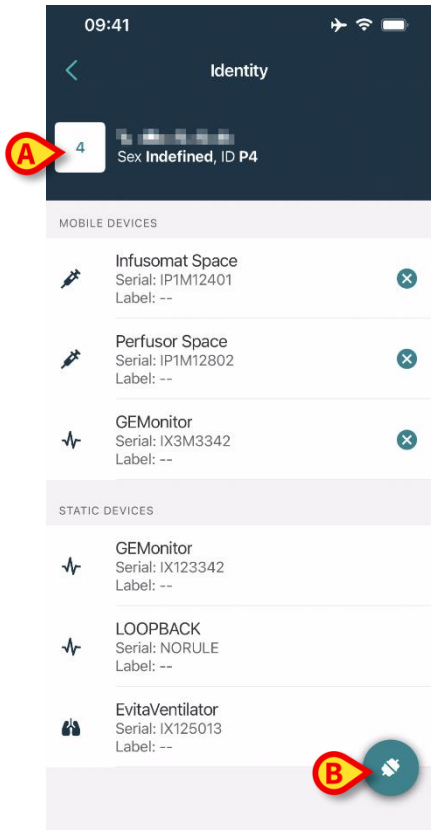

Fig 60

Only the “Associate” button is present on the right (Fig 60 **B**).

2.4.1 Device association with selected patient

To associate a device

- Tap the “Associate” button (Fig 60 **B**).

The “Device barcode scan” screen is displayed (Fig 61).

Fig 61

- Complete the procedure as described in sections 2.2.4 and 2.2.5.

2.4.2 Device detachment with selected patient

To detach a device for a selected patient, on the screen listing the devices associated to the patient (Fig 62):

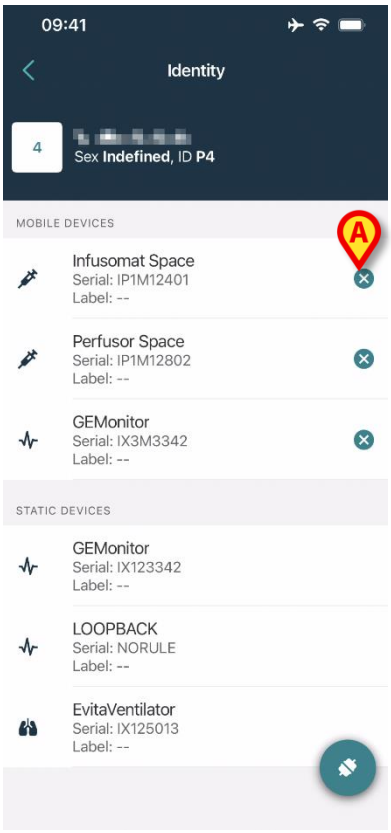

Fig 62

- Tap the icon on the right to detach the corresponding device (Fig 62 **A**).

User confirmation is required. Tap **Ok** to confirm the device detachment.

2.5 Association procedure for unknown patient (iOS)

It is possible to operate on a patient with partial or unknown data. To do that, on the patient identification page (Fig 63),

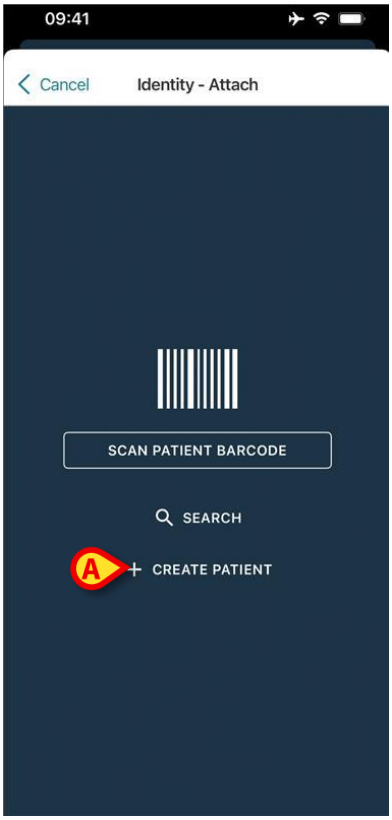

Fig 63

- Tap the **Create Patient** button (Fig 63 **A**).

The following screen is displayed (Fig 64).

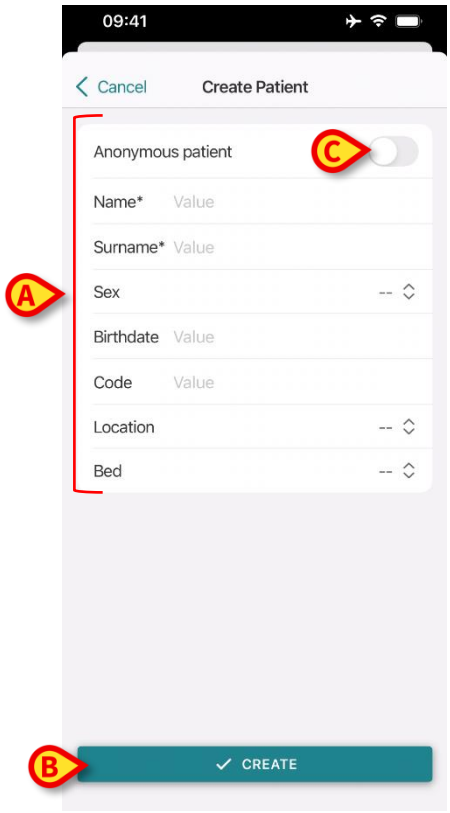

Fig 64

- Insert the patient data (Fig 64 **A**). Name and Surname are mandatory.
- Tap **Create** (Fig 64 **B**).

The newly created patient is automatically selected. It is then possible to proceed with the device association procedure as explained in section 2.2.4.

The patient data inserted using the procedure here described is temporary and should be reconciled with the actual one. See the Patient Explorer user manual (USR ENG Patient Explorer) for the Reconciliation procedure.

2.5.1 Anonymous patient

In case the data of the patient is unknown, it is possible to activate an “Anonymous patient” procedure. To do that, on the “Create Patient” screen:

- Tap the switch indicated in Fig 64 **C**.

The screen will change as shown in Fig 65. In this case it is possible to only insert a temporary code for the patient and to assign a bed and location (Fig 65 **A**).

- Then tap the **Create** button to create an anonymous patient (Fig 65 **B**).

The anonymous patient is automatically selected. It is then possible to proceed with the association procedure as described in section 2.2.4.

The patient data inserted using the procedure here described is temporary and should be reconciled with the actual one. See the Patient Explorer user manual (USR ENG Patient Explorer) for the Reconciliation procedure.

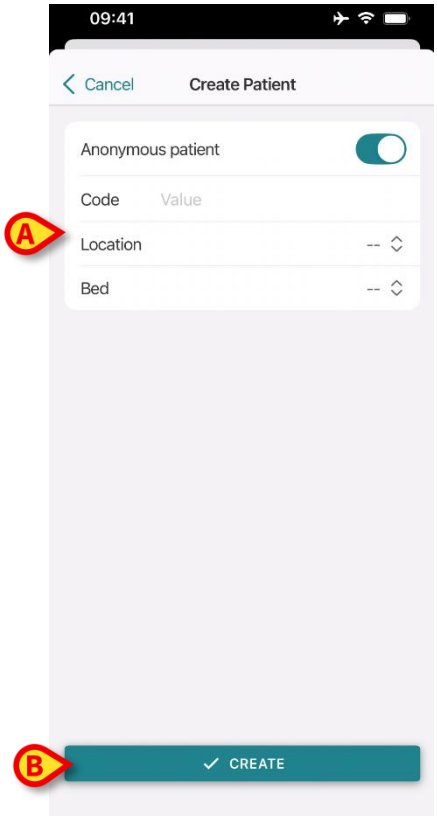

Fig 65

2.6 Single patient mode (iOS)

*When in "Single Patient mode" (IdentityMode System Option = 2) - the start page is the patient search page (*Fig 67*). The patient search and selection procedures (see USR ENG Mobile Launcher) are performed on all the existing Digistat patients. The unknown patient creation functionality is available (section 2.5).*

- Tap the "Identity" row on the Mobile Launcher main screen to launch the Identity application (Fig 66).

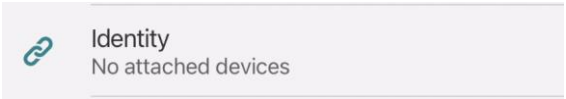

Fig 66

The following screen is displayed (Fig 67).

Fig 67

- Search, select and identify the patient as described in section 2.2.

After patient identity confirmation, the screen listing all the devices associated to the patient is displayed (the one shown in Fig 44 – see the figure and the related description for instructions).
The possibility to display the “Static devices” and the parameters list is here available too.

3. Annex – Examples of user procedures

This section summarizes some of the main user procedures relating to the Android OS.

3.1 Application selection

To select the **Identity** application:

➢ Tap the corresponding row on the Mobile Launcher screen (Fig 1 **A**).

The Identity screen opens. The actual screen displayed depends on the Identity mode selected during configuration. The procedures summarized by this Annex refer to a “Full” Identity mode.

3.2 Device - Patient association procedure

To associate a device to a patient

1. Tap the icon (Fig 2 **B**). A screen making it possible to identify the patient is displayed (Fig 3). Patient identification can be performed via:
   - Patient barcode scan.
   - Patient NFC tag scan (analogous screen, slightly different).
   - Textual search. To perform the textual search tap the icon. See section “Textual Search - Patient” for further instructions.
2. Identify the patient. A screen summarizing the patient data is displayed (Fig 4).
3. Tap the icon to confirm patient data (Fig 4 **C**). A screen making it possible to select the device is displayed (Fig 5).

Device identification can be performed via:

- Device barcode scan.
- Device NFC tag scan (analogous screen, slightly different).
- Textual search. To perform the textual search tap the icon. See section “Textual Search - Device” for further instructions.

4. Identify the Device. A screen summarizing the device data is displayed (Fig 6).
5. Tap the icon (Fig 6 **D**) to confirm the association and complete the procedure.

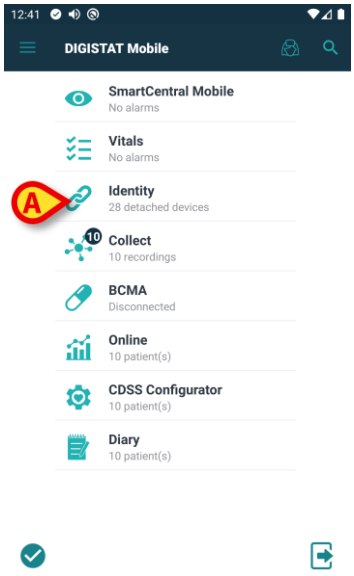

Fig 1

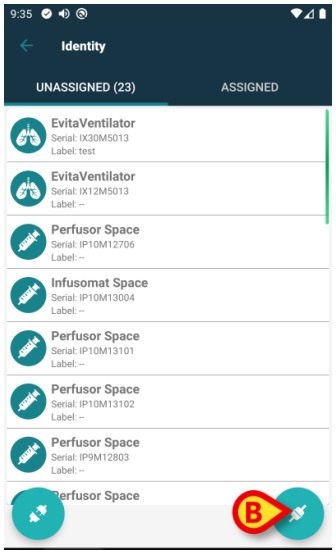

Fig 2

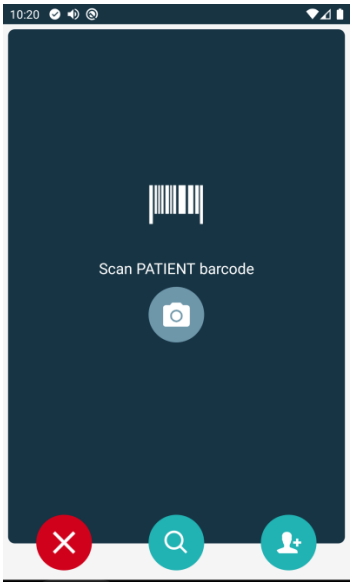

Fig 3

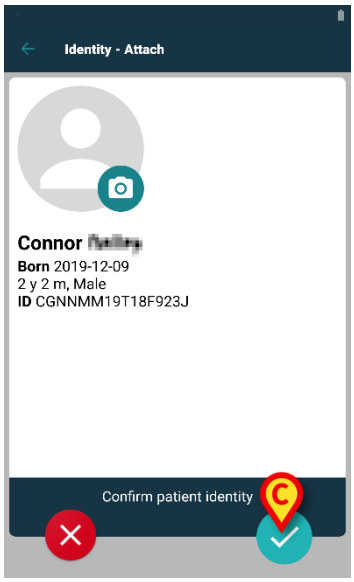

Fig 4

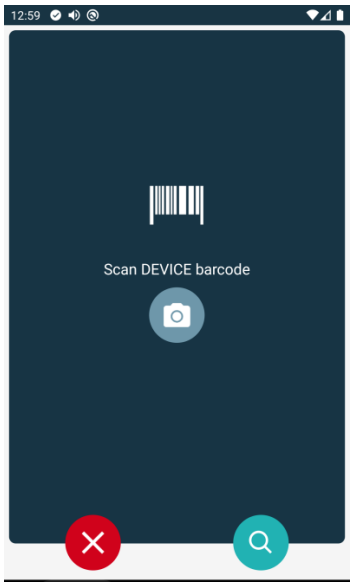

Fig 5

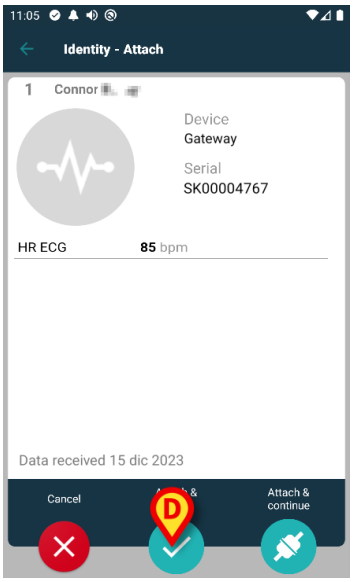

Fig 6

3.3 Detachment procedure

To detach a patient and a device:

1 Tap the “**Assigned**” tab on the application start screen (Fig 7 **A**).
2 Tap the  icon (Fig 7 **B**). The device identification screen (Fig 8) is displayed.
3 Identify the Device. The device confirmation screen is displayed (Fig 9).
4 Tap the  icon to confirm the detachment (Fig 9 **C**).

3.4 Association procedure for unknown patient

It is possible to associate devices to a patient that has not been admitted yet or whose personal data are not available. To do that, on the patient selection screen:

1 Tap the  icon (Fig 10 **A**). The screen shown in Fig 11 is displayed.

Two cases are possible:

First Case - If the patient is already in bed (i.e. their admission was completed but their personal data are not available):

2 Insert the patient location and bed (Fig 11 **B**).
3 Tap the  icon to confirm (Fig 11 **C**).

Second Case - If the patient has not been admitted:

2 Tap the “Create Patient” icon (Fig 11 **D**). The screen shown in Fig 12 is displayed.
3 Enter patient data (Fig 12 **E**). Name and Surname are mandatory fields.
4 Tap the  icon to confirm (Fig 12 **F**).

According to the Product configuration, it is possible that patient data inserted using the procedure here described is temporary. Therefore, temporary data must be reconciled with the actual one as soon as possible. The reconcilation procedure changes according to the configuration in use. Refer to the system administrators for more instructions.

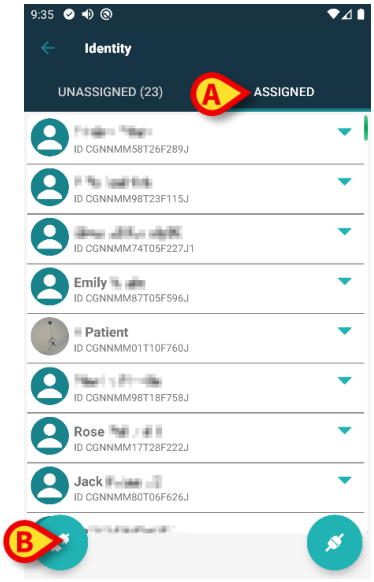

Fig 7

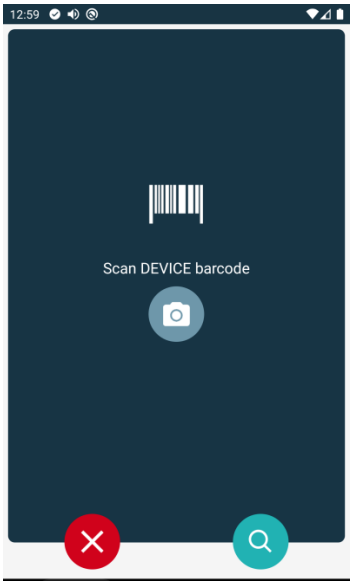

Fig 8

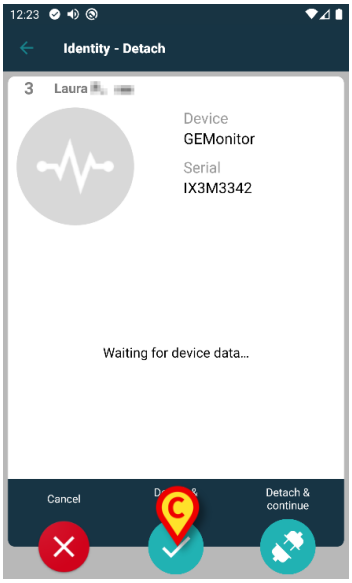

Fig 9

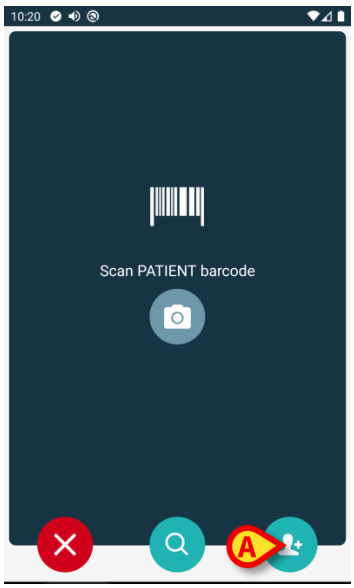

Fig 10

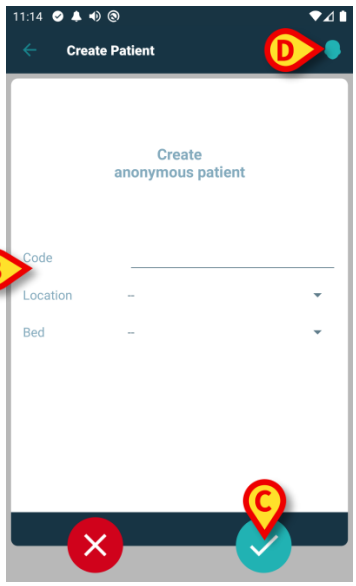

Fig 11

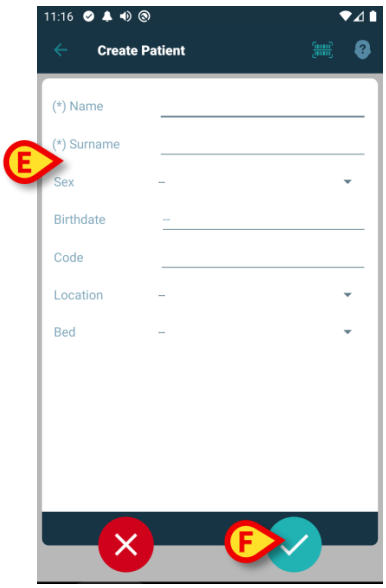

Fig 12

3.5 Textual search: Patient

If neither barcode nor NFC functionalities are available for a patient, it is possible to use a textual search tool to select the patient. To access this tool:

1 Tap the icon on the patient selection screen (Fig 13 **A**). The screen shown in Fig 14 is displayed.

2 Insert the patient data in the search fields (Fig 14 **B**).

3 Tap the icon (Fig 14 **C**).

4 The list of results is displayed (Fig 15).

5 Tap the row corresponding to the wanted patient to select it (Fig 15 **D**).

Confirmation is required. The screen shown in Fig 16 is displayed.

6 Tap the icon to confirm (**E**).

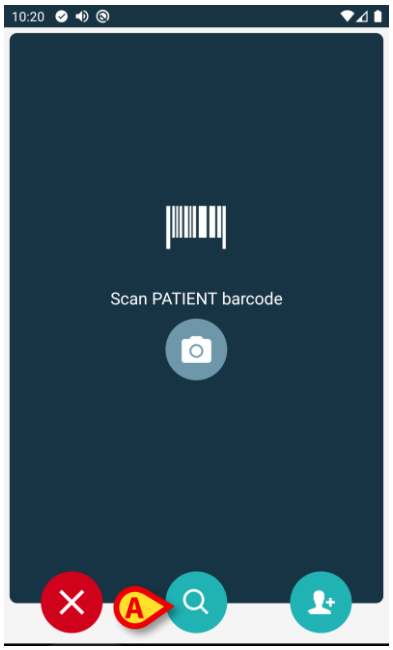

Fig 13

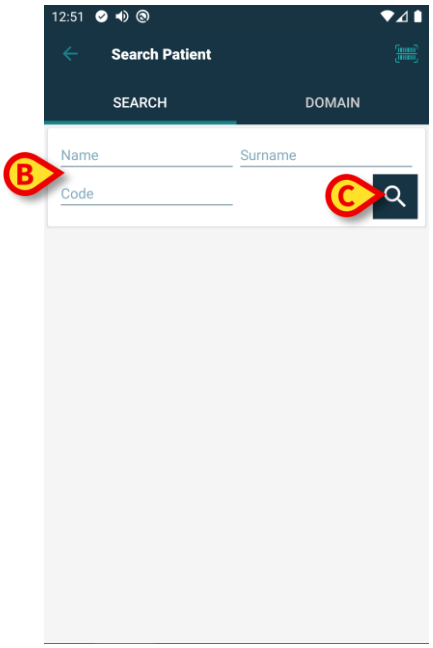

Fig 14

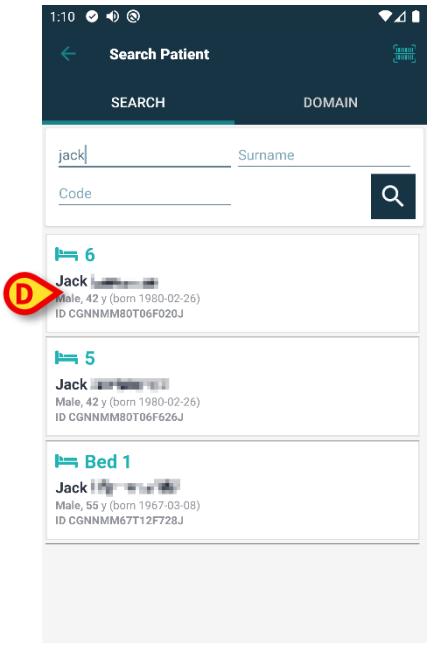

Fig 15

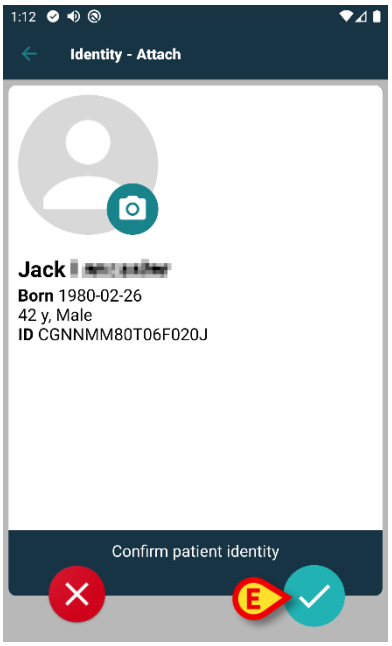

Fig 16

3.6 Textual search: Device

If neither barcode nor NFC functionalities are available for a device, it is possible to use a textual search tool to select the device. To access this tool:

1. Tap the icon on the device selection screen (Fig 17 **A**). The screen shown in Fig 18 is displayed.
2. Insert the device data in the search field (Fig 18 **B**).
3. Tap the icon (Fig 18 **C**).
4. The list of results is displayed (Fig 19).
5. Tap the row corresponding to the wanted device to select it (Fig 19 **D**). Confirmation is required. The screen shown in Fig 20 is displayed.
6. Tap the icon to confirm (Fig 20 **E**).

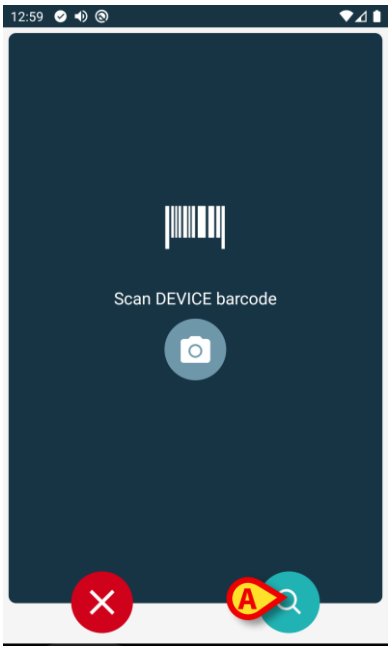

Fig 17

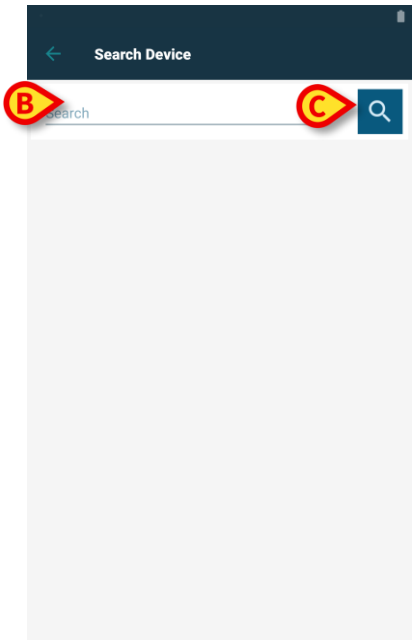

Fig 18

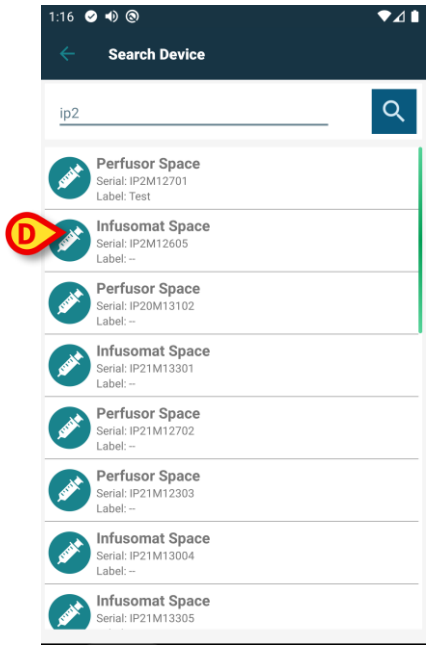

Fig 19

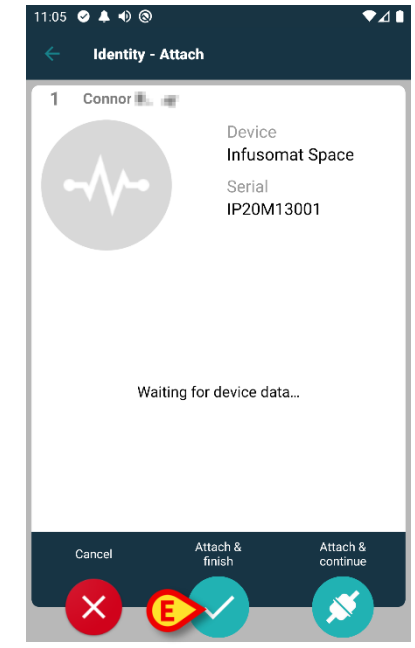

Fig 20