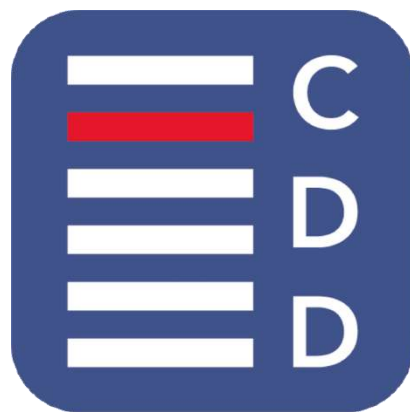


ComputeC

ComputeC Door Drive 6 (CDD6) Lift door Controller



APP MANUAL

CDD6 FW reference version: 01.05.000

APP reference version: v5.x

EN	CE					PRJ1166_01_07_03_01_02_WF	rev.07
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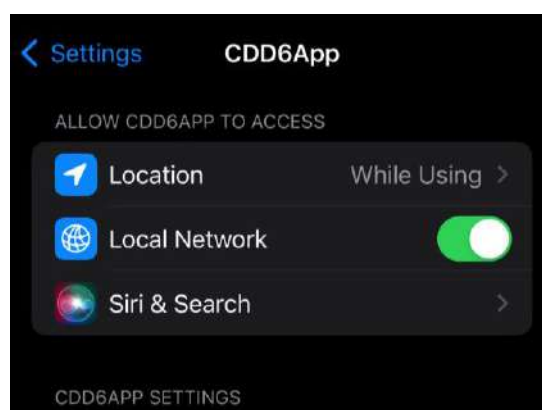
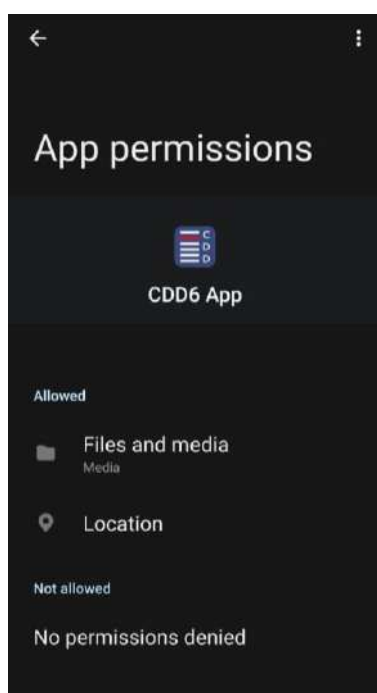
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Install the APP from the specific store (Android / iOS) of the smartphone in use.

WARNING: Activate the required permissions when opening the APP for the first time (location and access to files and multimedia content). These authorisations are necessary for the correct functioning of the APP.

Below the authorisation screens required on first access are shown.



– Authorisation request screens –

App ↔ CDD6 connection procedure

To be able to use CDD6 App with controller, mobile device has to be connected to Wi-Fi network of the CDD6 that the user needs to connect (Point to point Wi-Fi network without Internet access). By default, CDD6 Wi-Fi is switched OFF. To switch it ON set the parameter 0A to 1 using CDD6 front panel or CDD6 handset. If Wi-Fi network does not appear switch OFF and then ON CDD6.

Using CDD6 front panel - press 1 and 4 at the same time for 3 seconds, until the door drive enters in configuration mode (led CONFIG on); using 2 and 3 to increase or decrease the parameter index, select the P-0A parameter. By pressing key 1 access to the parameter value, and set the value to 1 (using buttons 2 or 3). After selecting value press button 1 to confirm, and next press button 4 to exit from the configuration mode.



Fig. 1 - Front panel setting parameter 0A

When CDD6 Wi-Fi is ON, connect mobile device to CDD6 Wi-Fi using mobile device Wi-Fi settings (Fig. 2).

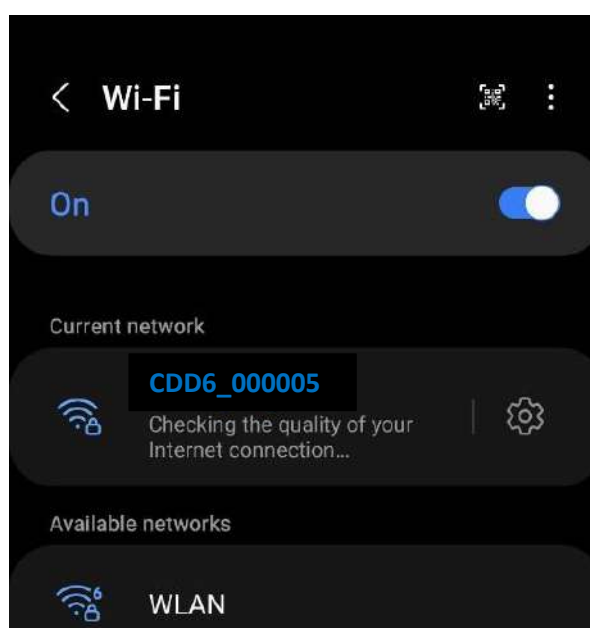


Fig. 2 - Mobile device Wi-Fi settings

Default CDD6 Wi-Fi connection parameters:

- **SSID (network name)** - CDD6_XXXXXXX (XXXXXXX is CDD6 serial number indicated on the label attached to the CDD6 front panel as shown in Fig. 3)
- **Password** - Computec

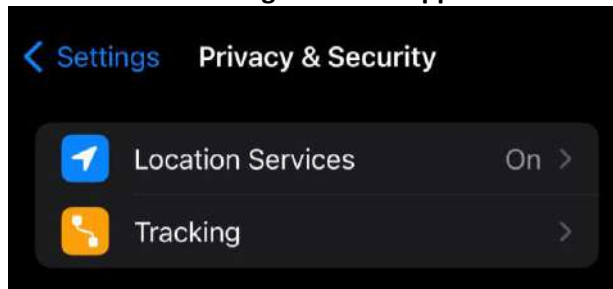
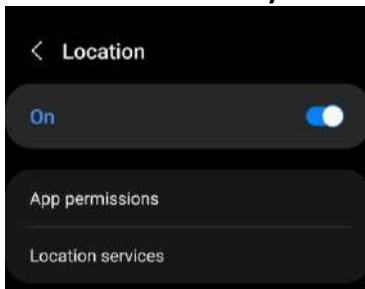


Fig. 3 - Serial number CDD6

NOTE: To reset the SSID and Password to default values set parameter 0A to value 2.

In case of Android smartphone user should disable data connection of the phone provider network either using notification window or manually from the settings.

ATTENTION: Activate GPS on your mobile device before using the CDD6 App.



Send commands to CDD6

To be able to move the door or set new parameter values by App, CDD6 has to be in inspection mode. Inspection mode is set by holding the button 4 of the control panel for at least 1 sec. When mobile device is connected to CDD6, display shows “uF” and LED indicates inspection mode (led INSP is on). Changing from inspection to normal mode (by holding the button 4 again), a 30-minute time session is opened. During this time, it is possible to modify CDD6 parameters even in normal mode, also if the door operation is according to the main lift controller commands. It is not possible to open or close the door during this time.

If CDD6 is in inspection mode, and the connection between CDD6 and mobile device is lost, CDD6 remains in inspection mode for another 30 seconds.

ATTENTION: switching in normal mode the doors may move if commands are present from main lift controller!



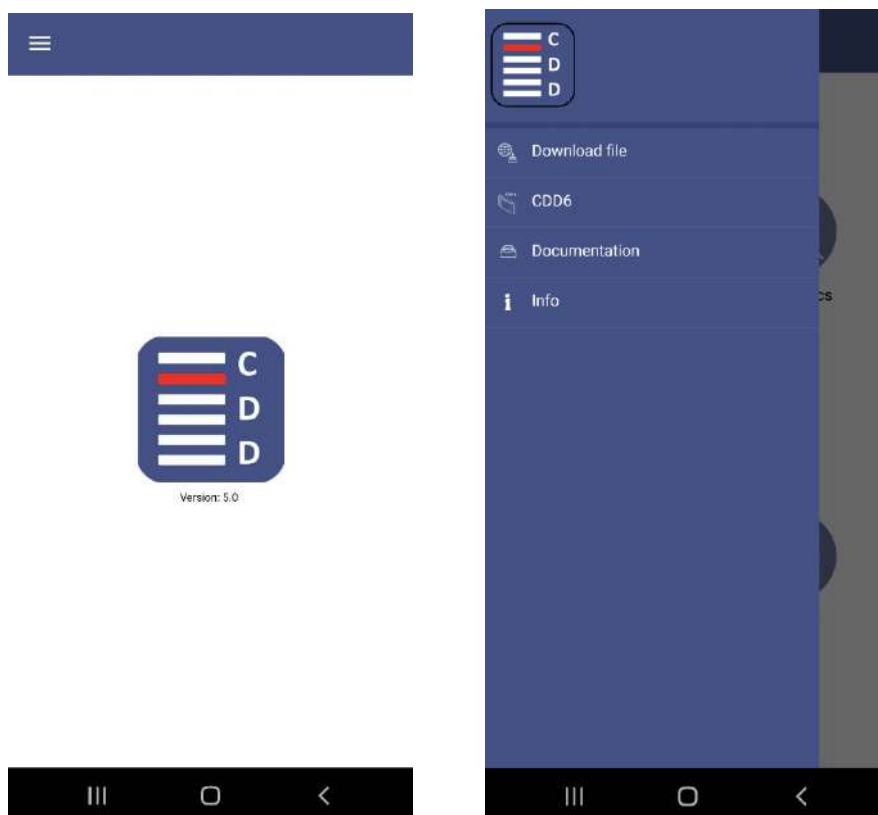


Fig. 4-CDD6 App home page and menu

Initial App home page displays four icons that enable user to:

1. Download documents, manuals and upgrade files from FTP server - if connected to Wi-Fi with internet connection (Download File)
2. Communicate with CDD6 - if connected to CDD6 Wi-Fi (CDD6)
3. Open CDD6 documents downloaded in the App (Documentation)
4. Get the information on the App version, developer contact information etc. (Info)

User can access and download CDD6 upgrade files and manuals from FTP server if phone is connected to a Wi-Fi network with Internet connection (**not to the CDD6 Wi-Fi**).

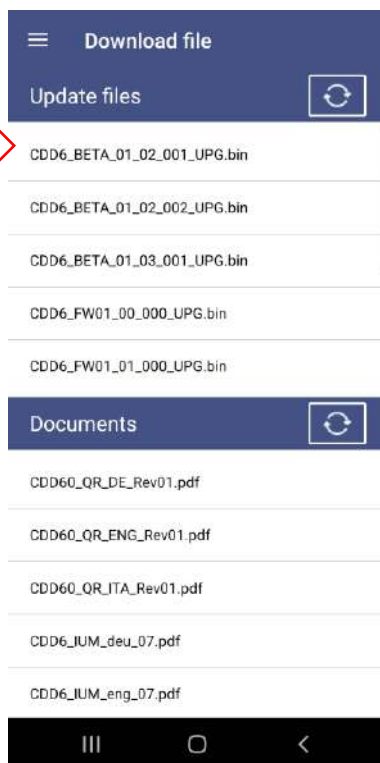
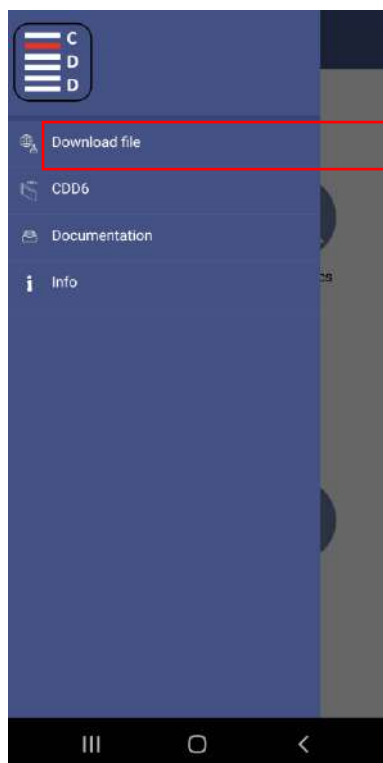


Fig. 5a - download page document list

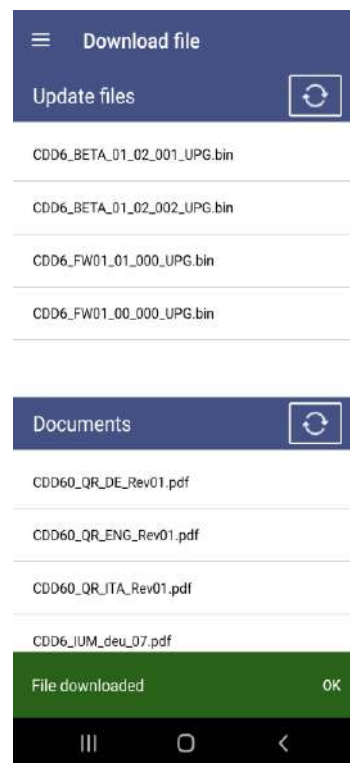


Fig. 5b - file download ok

Two types of files are available for download:

1. FW Upgrade files for CDD6 (.bin files)
2. Documents and manuals (.pdf extension and other files)

FW Upgrade files are downloaded and saved inside the App, to be used in “Upgrades” page of the APP. Documents are downloaded and saved in the App, to be opened in one of the “Documentation” page.

Info page contains App basic information with a link to CDD6 website:

<http://www.computecelectronics.com/>

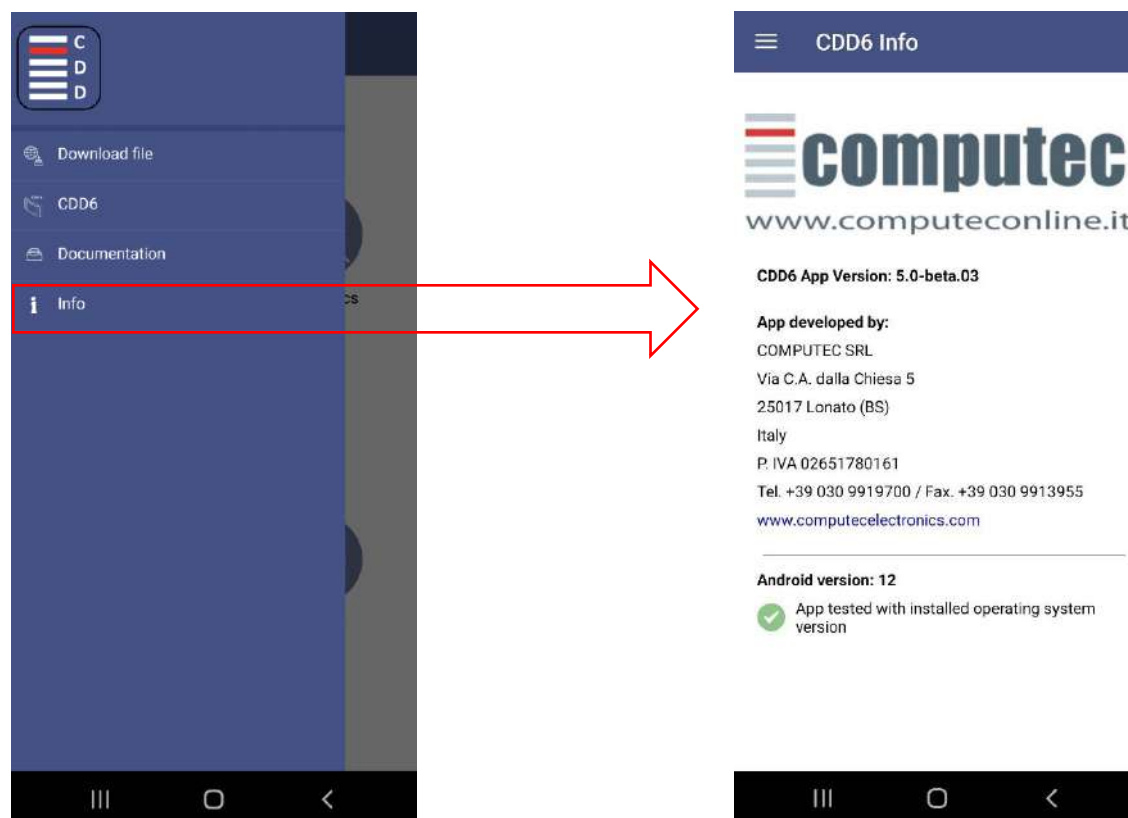


Fig. 6 - Info page with CDD6 URL link

This section (Fig. 7a), permits to the user to open files previously downloaded in the APP. In case there are no files downloaded, App informs user to connect to FTP server and download documents (Wi-Fi network with Internet connection). Once downloaded, documents are displayed in a list and user can choose which file to open (Fig. 7b). User can delete files from the phone by pressing the specific button  and proceed pressing YES to the next confirmation request message (Fig. 7c).

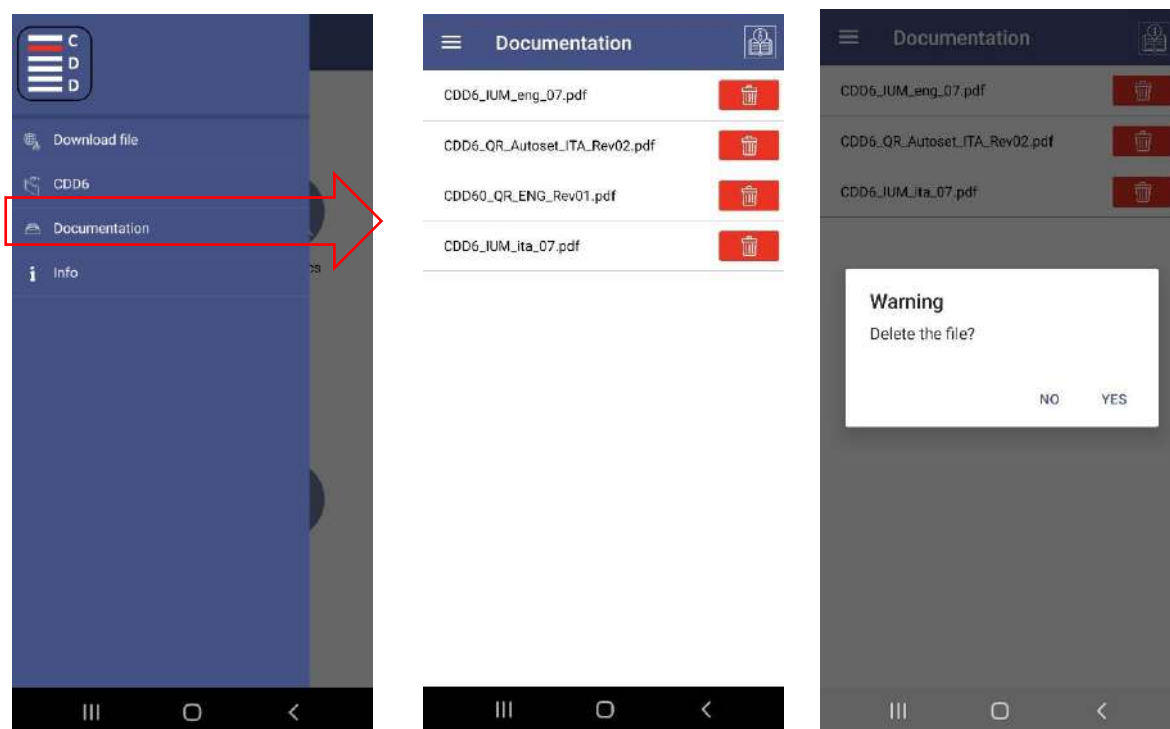


Fig. 7 - (a) Warning no document downloaded; (b) List of documents downloaded in App; (c) Delete file from the list

In case there are no documents downloaded, the App informs the user with a warning (Fig. 8 below).

NOTE: The way a document is visualized depends on the user mobile device settings and document applications available on the user device. Documents available for download are: Manuals; Quick references; Instructions; etc.

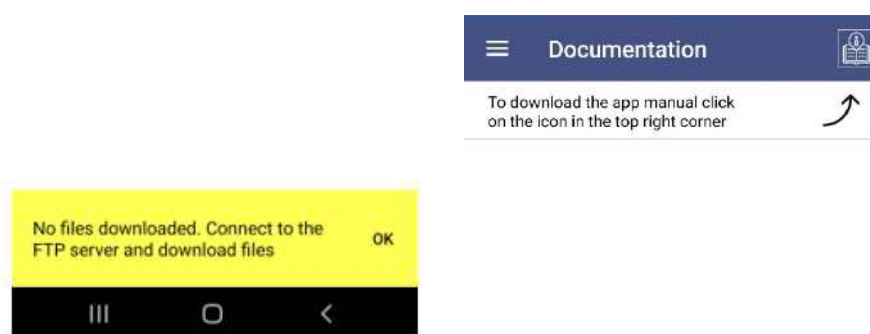


Fig. 8 -Warning no document downloaded and shortcut to the Manual App download

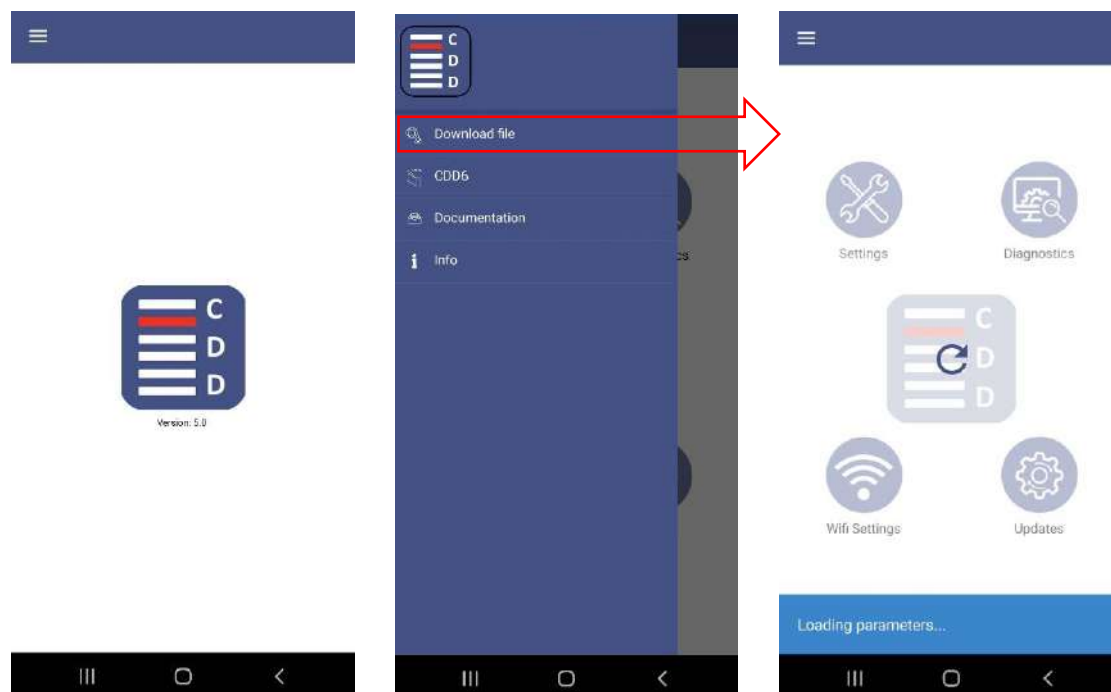


Figure 9 - Initial CDD6 App page

From CDD6 start page user can access to different pages. The pages' structure is reported below:

Main menu	Subpages
Settings	-Auto-set -Quick setup: guided step by step selection of the main parameters that need to be set) -Opening parameters -Closing parameters -Force settings -Advanced settings -Parameters management
Diagnostic	- Inputs/Outputs status -Alarms list -Last alarms -Statistics
Wi-Fi settings	None (options to set wi-fi connection)
Updates	None (options to Open file, Check current version, Upgrade)

Contains four sub-pages:

1. In/Out – inputs (on the left) and outputs (on the right) of CDD6 door drive
2. Alarms – list of saved alarms counters
3. Last alarms – history of last 10 alarms (from the most recent to the oldest)
4. Statistics – list of various information available on the door drive

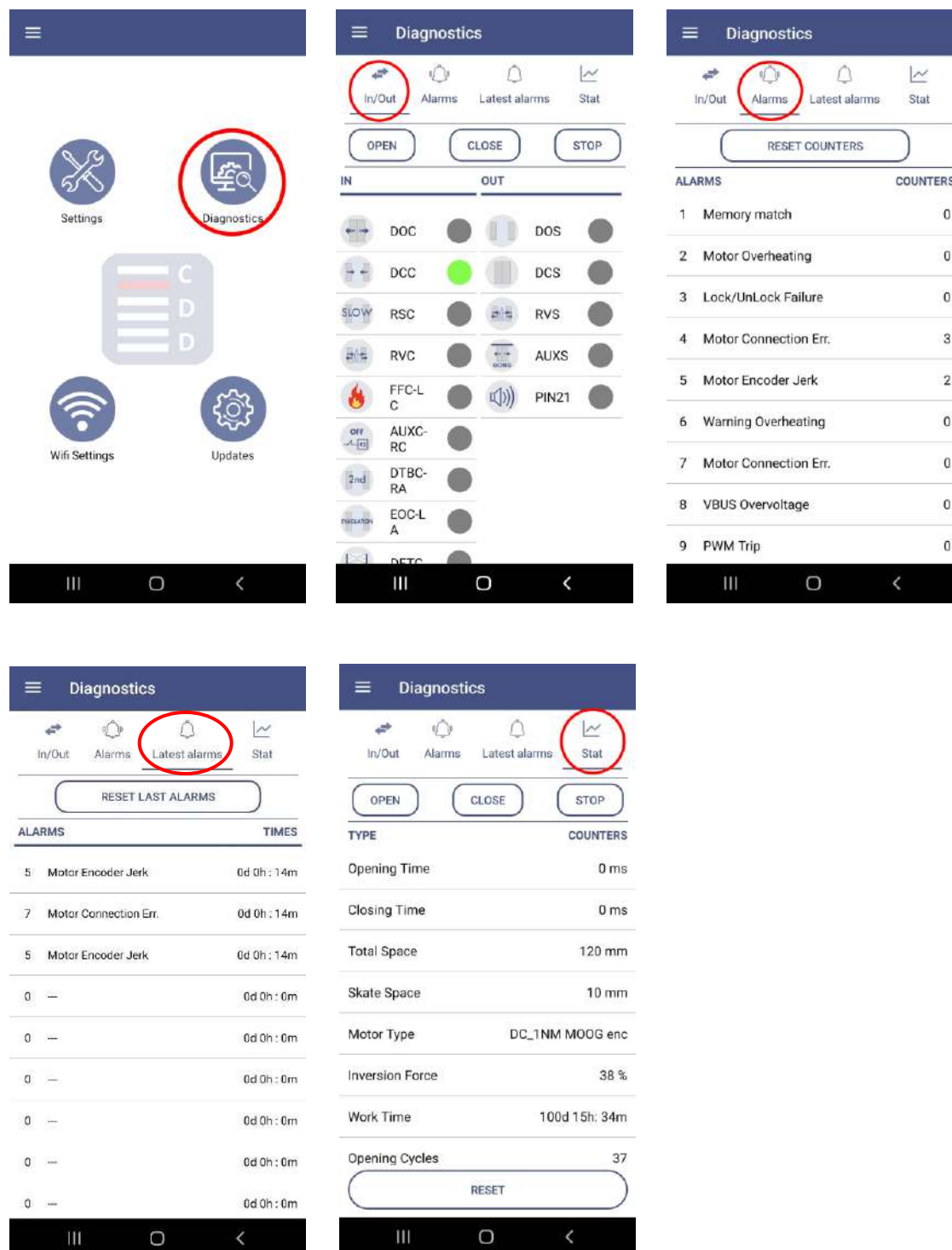


Figure 10 - (a) Input/Output (b) All alarms list (c) Last alarms list from the most recent to the oldest (d) Statistics

This page permits to the user the access to the set menu for the desired options, or to execute the auto-set procedure directly from the App.



Sub-Pages	Description
Auto-set	Guided execution of the auto-set procedure
Quick Settings	Settings of the main parameters linked to the door operator settings
Opening	Parameters to set and manage the opening profile and parking
Closing	Parameters to set and manage the closing profile and parking
Force	Parameters to set and manage the obstacle detection in closing
Advanced	Access to all the advanced setting parameters for the fine tuning
Parameters management	Access to the parameters sets management, to import/export the parameters sets

The auto-set page guides the user to the execution of the door self-learning



Quick settings page

This section guides the user to the main parameters of the CDD6 door drive. By selecting one of the list elements, it is possible to access to the specific parameter page (Fig. 11) and, if necessary, to change the parameter value. User can set new values by selecting one of the icons shown. The icon circled in red indicates current value.

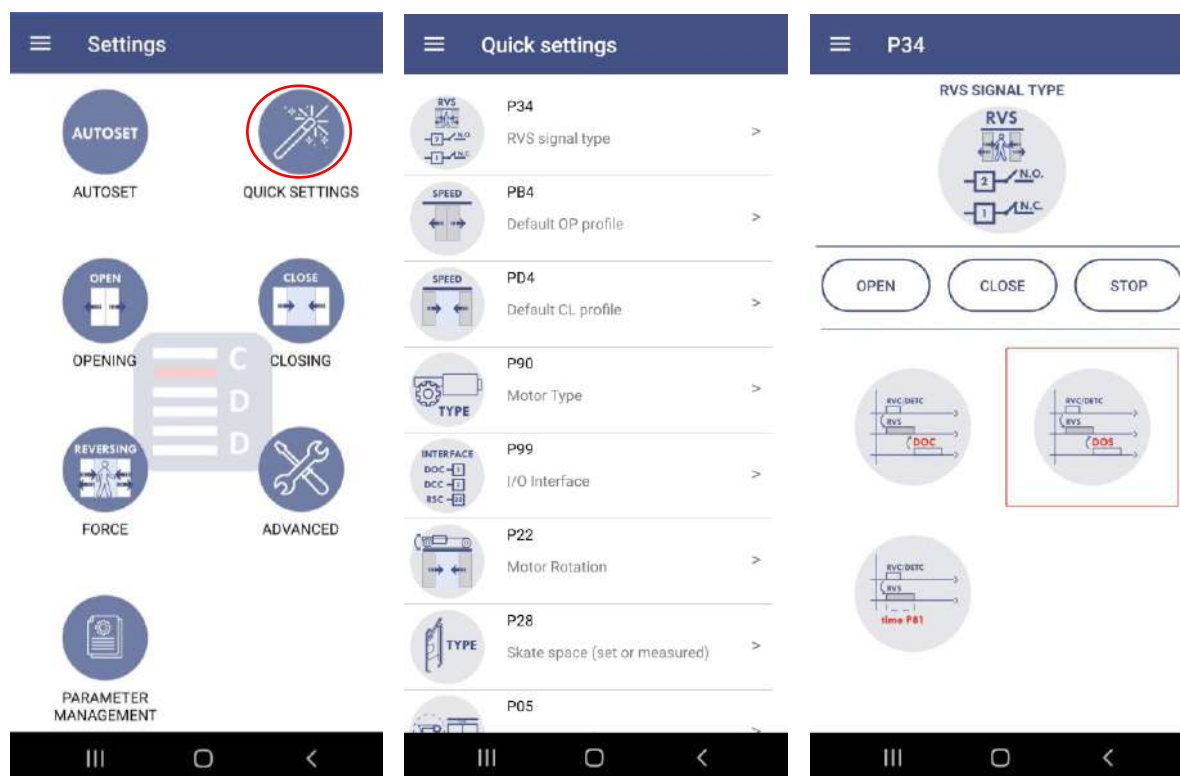


Fig. 11 - Quick setup parameter page, access and example of parameter set-up

Opening parameters page

This section permits to the user to access to all the parameters for the configuration and management of the opening profile, the parking at door open and the obstacle detection in opening direction (when enabled).

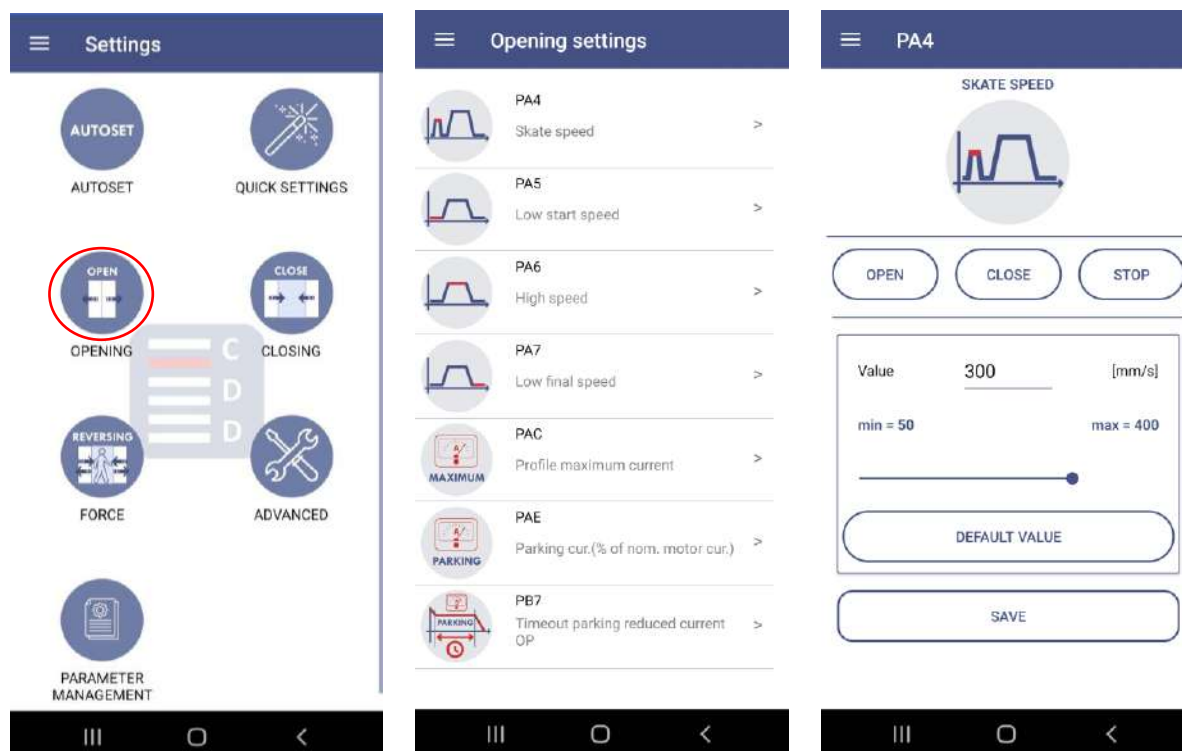


Fig. 12 – Opening parameters page: access and example of parameter set-up

Closing parameters page

This section permits to the user to access to all the parameters for the configuration and management of the closing profile and the parking at door closed.

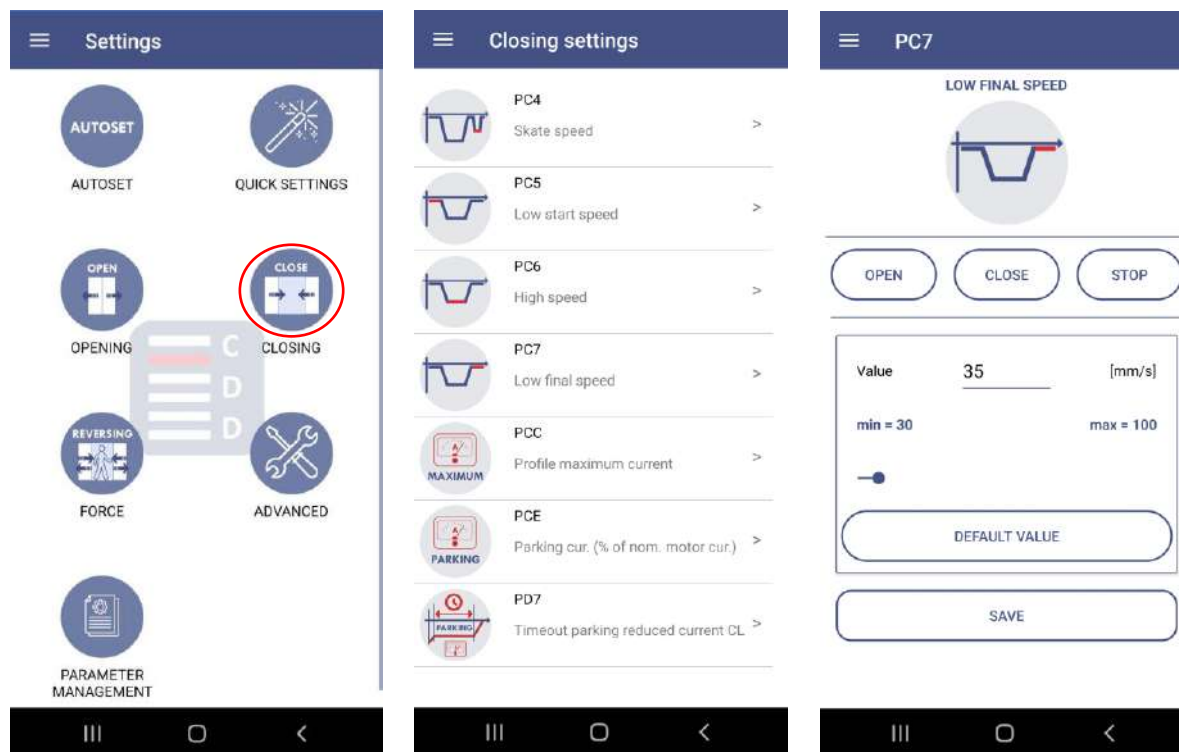


Fig. 13 – Closing parameters page: access and example of parameter set-up

Force limiter parameters page

This section permits to the user to manage all the configuration parameters for the obstacle detection and settings during the closing movement.

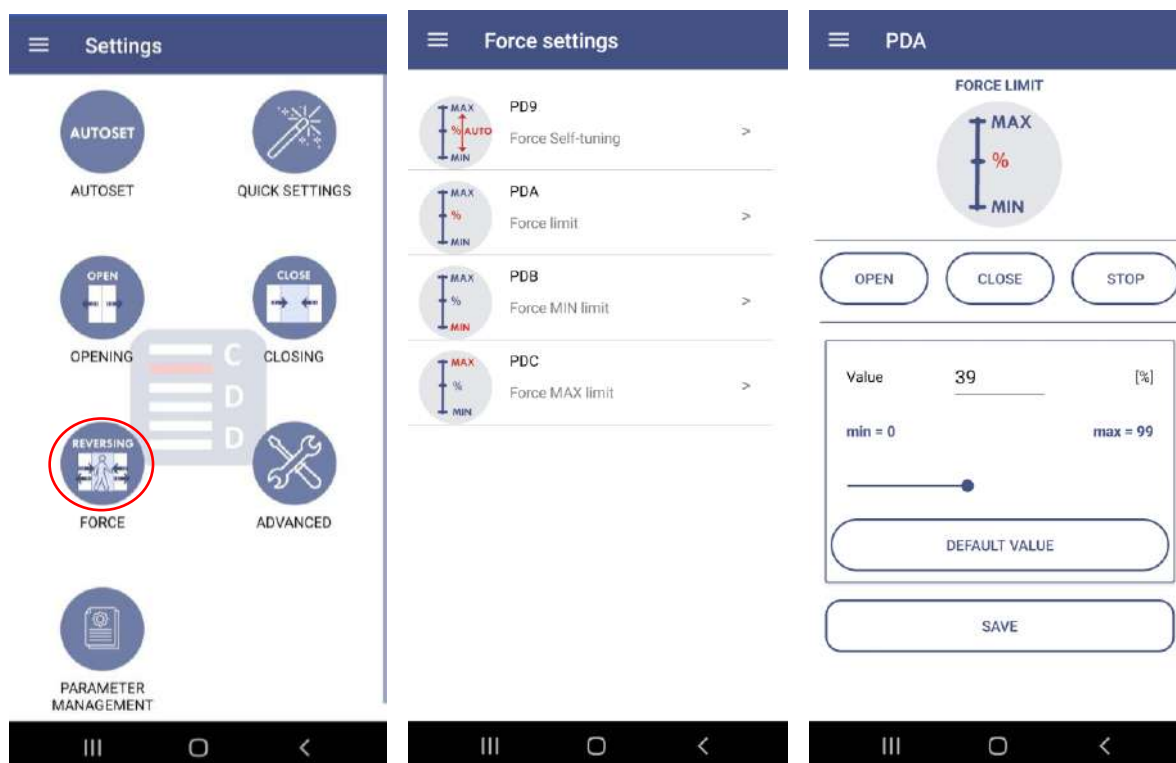


Fig. 14 – Force limiter parameters page: access and example of parameter set-up

Advanced page shows the list of all parameters that can be changed by the user (Fig. 15). User can modify parameter value by clicking on the pen icon  on the right, accessing to the detailed window that shows parameter description, current value, and in case of parameter range, range values as min and max value of the slider. By clicking ok button, new value is automatically saved on the CDD6.



Fig. 15 - (a) All parameters list (b) Set binary parameter value (c) Set range parameter value

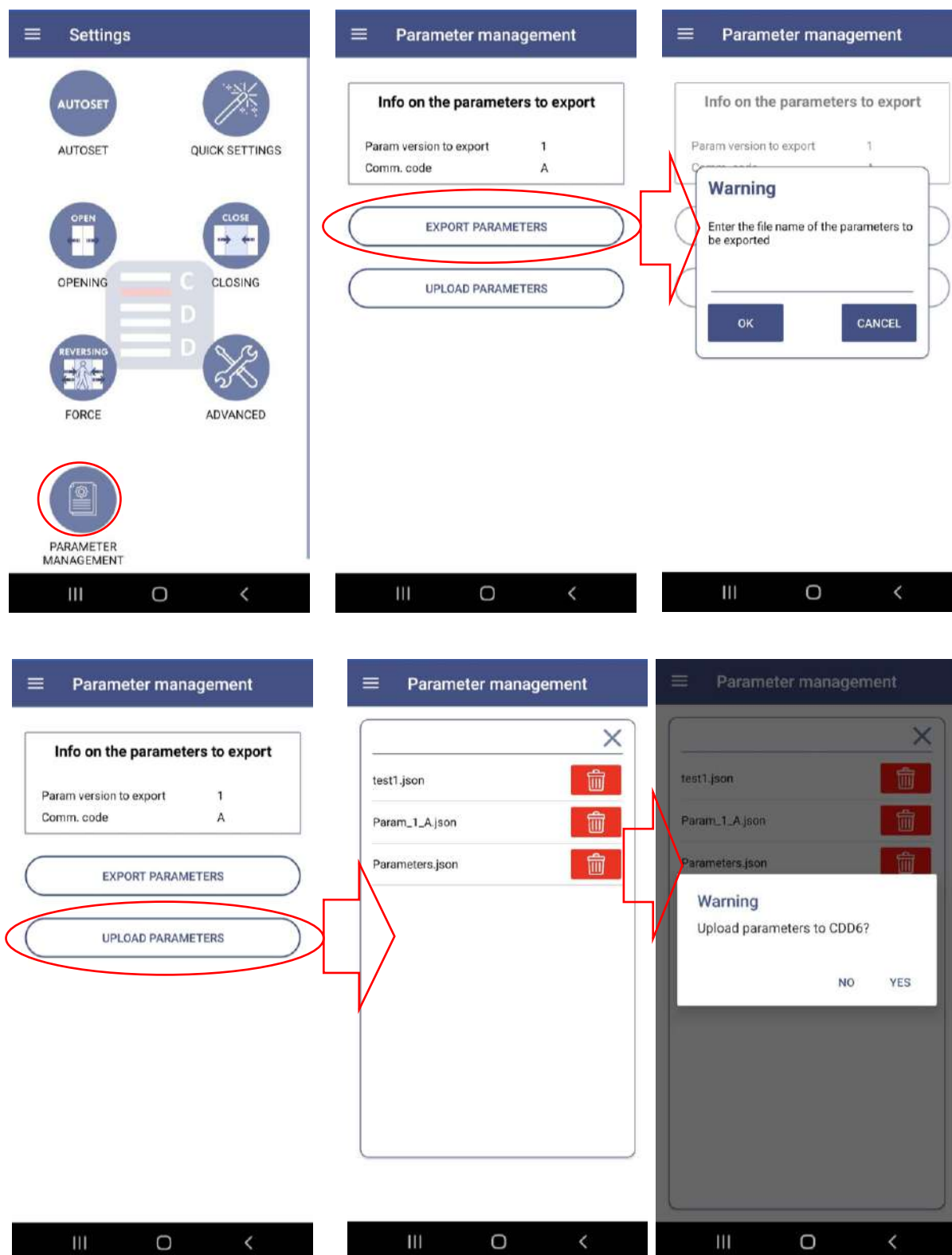


Fig. 16 – Parameters management page

Wi-Fi setup page shows current SSID and Password.

User can change SSID, Password or both using dedicated text boxes.

NOTE: SSID can be maximum 12 characters long, Password maximum 8 characters. Only alphanumeric characters and underscore (_) are accepted for SSID.

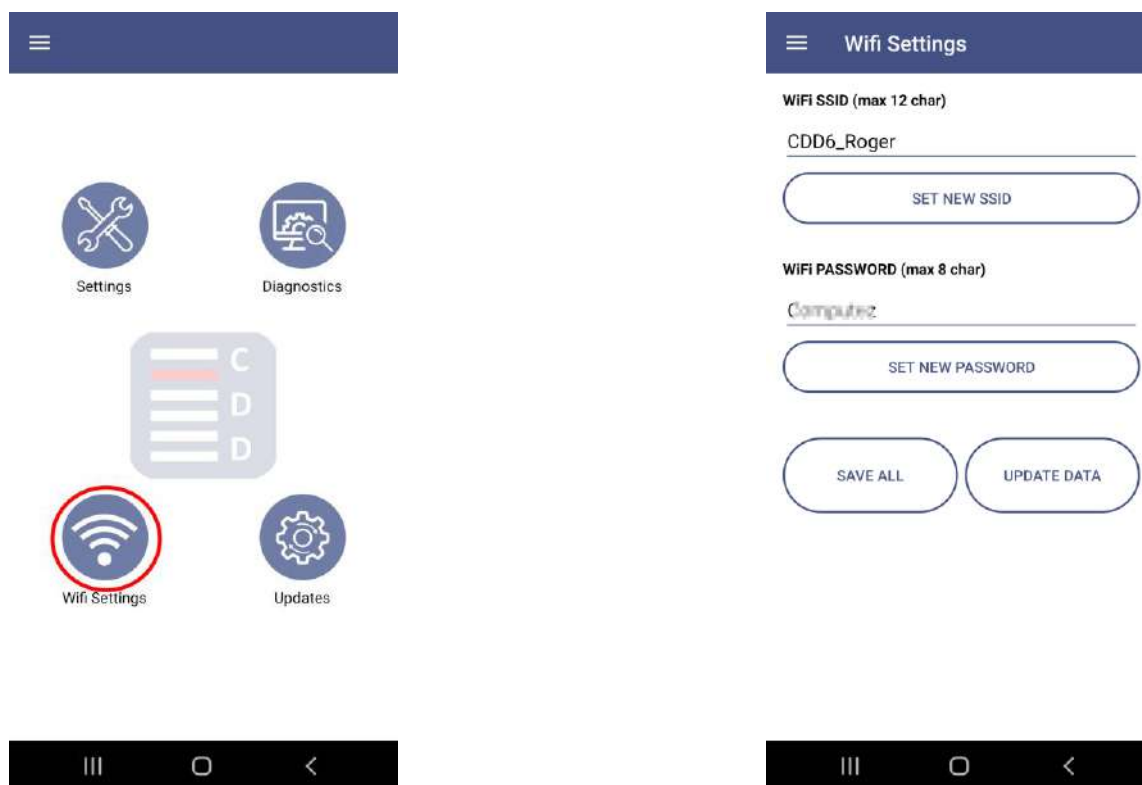


Figure 17 – Wi-Fi setup page showing actual SSID and password values

If setup is completed with success, CDD6 door drive restarts the Wi-Fi module to activate the new settings.

NOTE: the reset of the Wi-Fi module implies the loosing of the connection with CDD6. User needs to restart the connection with CDD6 by typing new SSID and/or Password in the mobile device Wi-Fi settings window.

Updates page

From “Updates” page user can check the FW version currently installed on the CDD6 (Fig. 18b) and decide if to upgrade CDD6 or not, if available.

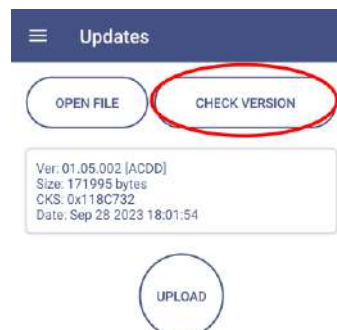


Fig. 18a - Upload page



Fig. 18b - Check controller FW version

NOTE: Upgrade is not possible if no file is opened by user (Fig. 19a). User should click on Open File button that lists all previously downloaded update files (Fig.19c). If no files are downloaded a warning message is shown (Fig. 19b). In this case user should disconnect from CDD6 connect to external Wi-Fi network or mobile network to download upgrade file(s) from the “Download” section.

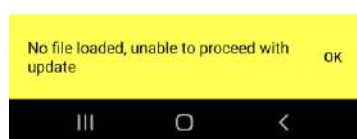
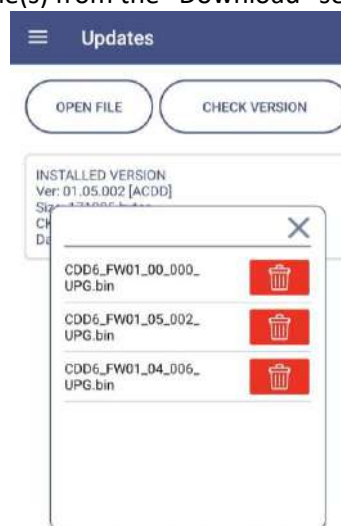
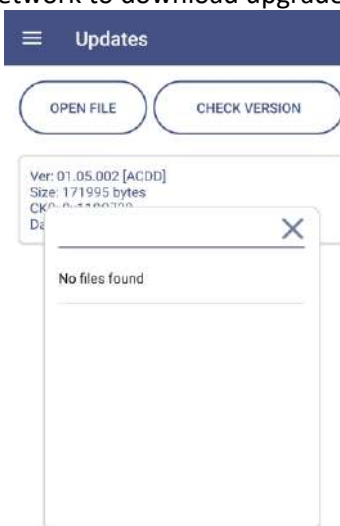


Fig. 19a - Warning - no file is open

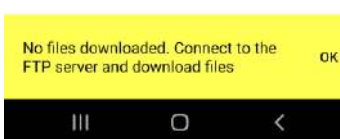


Fig. 19b - No files downloaded



Fig 19c – Downloaded files selection

When file is opened user can start CDD6 upgrade by clicking UPLOAD button.

NOTE: Upgrade is not possible if CDD6 is not in inspection mode (Fig. 20).

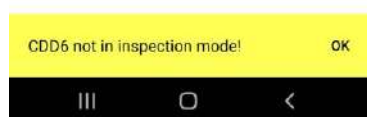


Fig. 20 - Warning CDD6 not in inspection mode



Fig. 21 - CDD6 download in progress

Once the upgrade has started, the dedicated progress bar informs user on the transfer progress. Once entire file has been downloaded on the CDD6, the device verifies the integrity of the file and proceeds to internal upgrade. When upgrade is completed, CDD6 restarts and user needs to wait few seconds to be able to restart the connection automatically. If upgrade was successful the related installed FW text becomes green (Fig. 22), otherwise red.

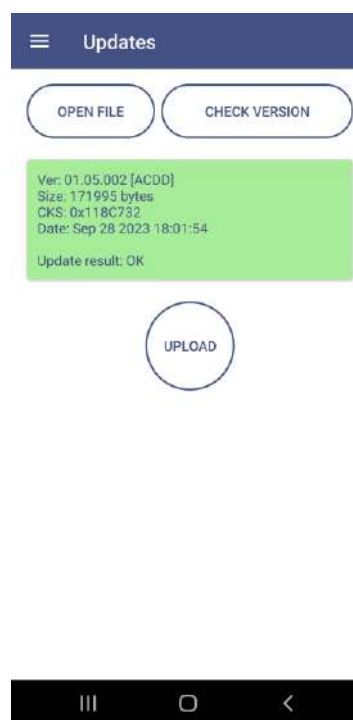
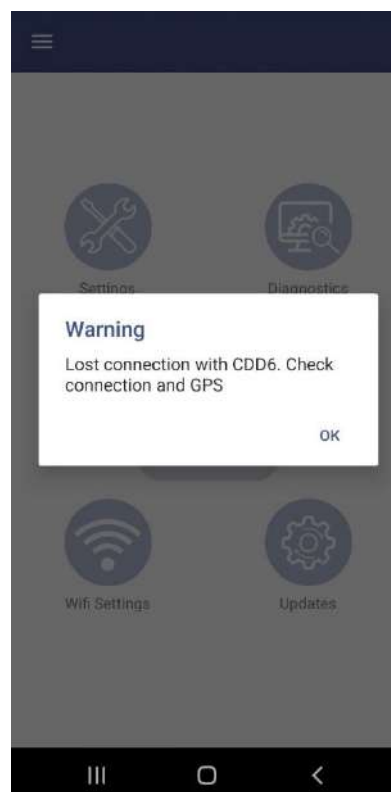


Fig. 22 - Update completed OK

“Lost connection with CDD6. Check connection and GPS” – If App tries to reach CDD6 but does not receive replies for 15 seconds, or the APP has lost the previous connection with the CDD6, it issues a warning. User should check if mobile device is connected to CDD6 Wi-Fi and if the GPS is active. Then click OK.



“CDD6 not in inspection mode!” - If user tries to: change parameter value, open or close the door, update CDD6 etc. while controller is in normal mode, the request is rejected and App issues a warning. User has to put CDD6 into inspection mode and retry the operation.



“Checking the connection with CDD6” –
App lost connection with CDD6 Wi-Fi.
Check that mobile device is connected to
CDD6 Wi-Fi and Click OK.

