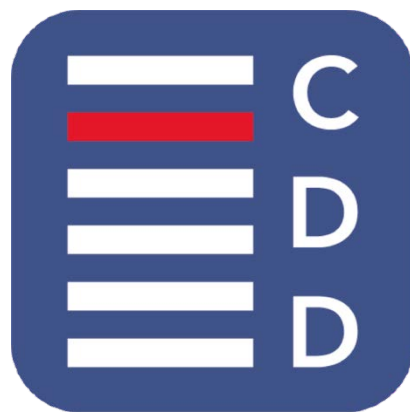


# Computec

## Computec Door Drive 6 (CDD6) Lift door Controller



**APP MANUAL**

*FW reference version: 01.00.000*

## App ↔ CDD6 connection procedure

To be able to use CDD6 App with controller, mobile device has to be connected to CDD6 Wi-Fi network (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 doesn't appear switch OFF and then ON CDD6.

**Using CDD6 front panel** - press 1 and 4 at the same time for 3 seconds to access configuration mode, using 2 and 3 to go up or down to parameter 0A, select 0A by pressing 1 and set the value to 1 using buttons 2 or 3. After selecting value press button 1 to confirm or button 4 to escape.



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 (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.

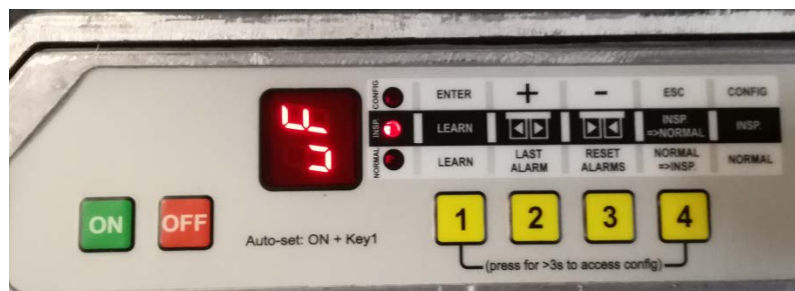
In case of Android smartphone user should disable data connection of the phone provider network either using notification window or manually from the settings.

## 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 (INSP.).

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, during main lift controller operation. It is not possible to open or close the door during this time.

When connection is lost, between CDD6 and mobile device, CDD6 stays in inspection mode for another 30 seconds. **Pay attention, switching in normal mode the doors may move if commands from main lift controller are present!**



## Home page

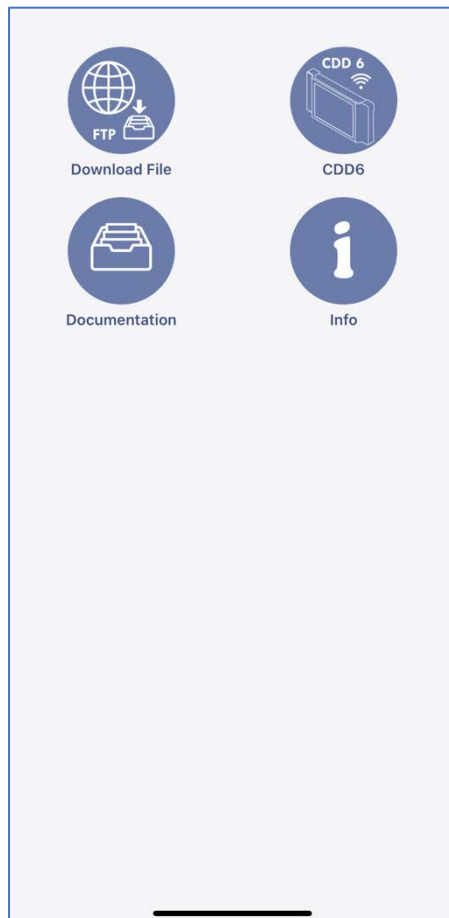


Fig. 4-CDD6 App home page

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](#))

## Download file

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**).

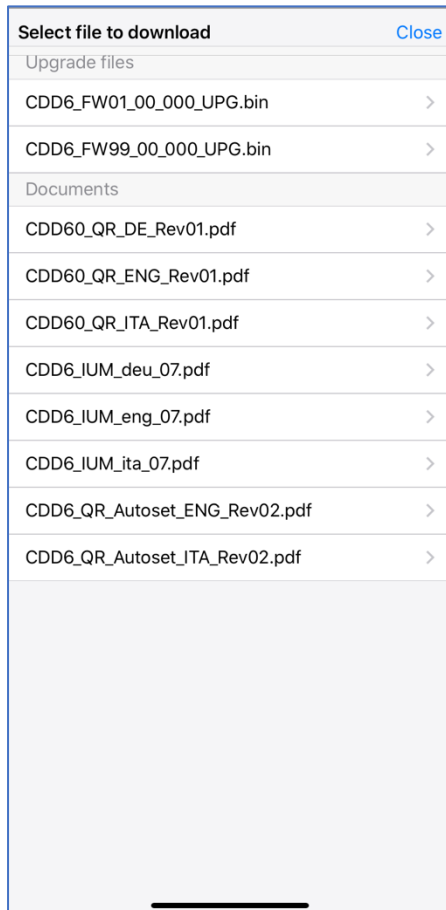


Fig. 5a - download page document list

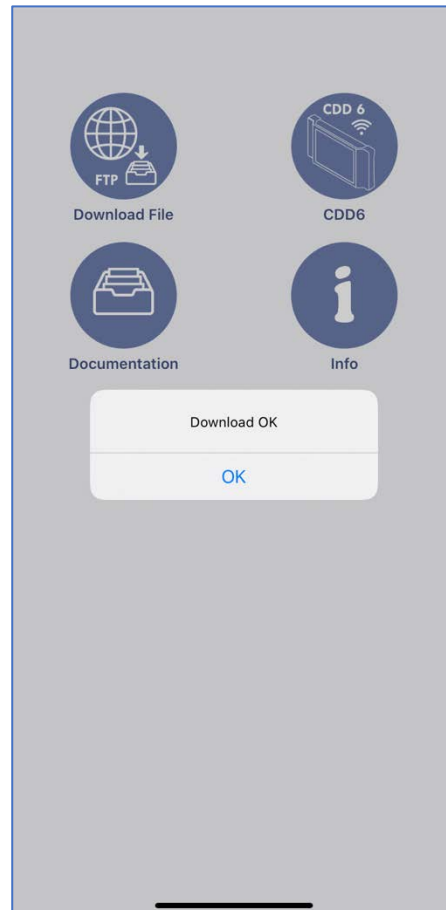


Fig. 5b - file download confirmation

Two types of files are available for download:

1. Upgrade files (.bin files)
2. Documents and manuals (.pdf and other files)

Upgrade files are downloaded and saved inside the App to be used in Upgrade page. Documents are downloaded and saved in the App to be opened in one of the Documentation pages.

## Info page

Info page contains App basic information with URL link to CDD6 website  
<http://www.computeelectronics.com/>

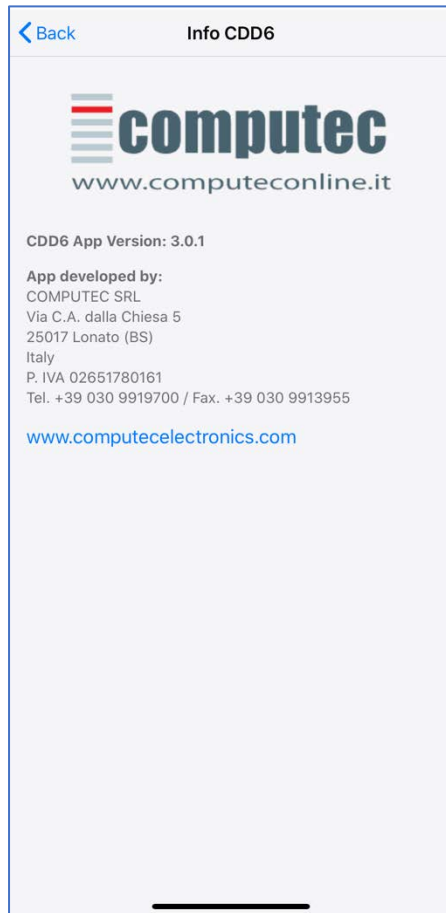


Fig. 6 - Info page with CDD6 URL link

## Documentation page

To examine files downloaded in the App, user can click and open Documentation page. In case there are no files downloaded, App informs user to connect to FTP server and download documents (Fig. 4a). Once downloaded, documents are displayed in a list and user can choose which file to open (Fig. 4b). User can delete files from the phone by pressing and holding the file name in the list (Fig. 4c).

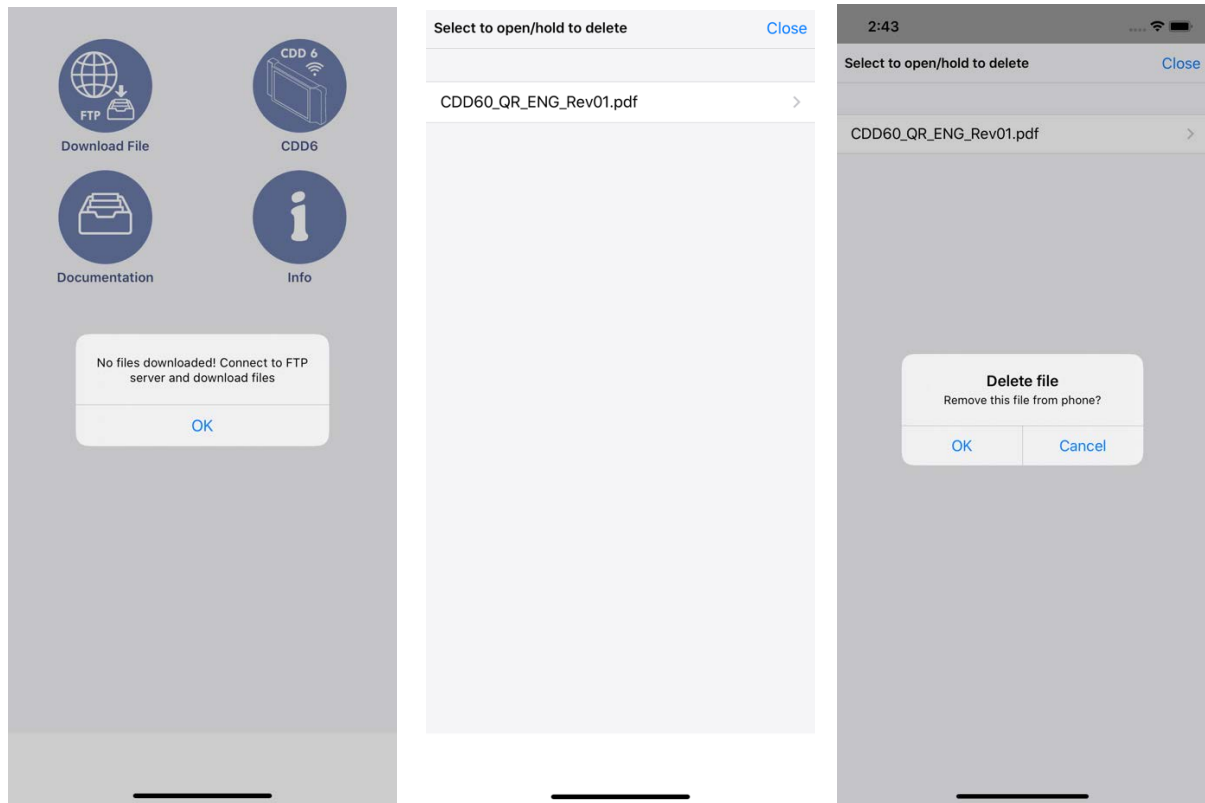


Fig. 7 - (a) Warning no document downloaded; (b) List of documents downloaded in App; (c) Delete file from the list

## CDD6 start page

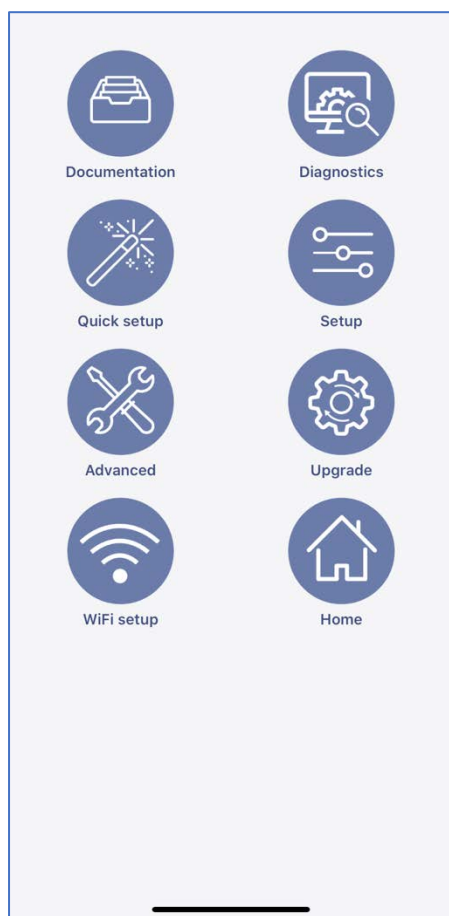


Figure 8 - Initial CDD6 App page

From CDD6 start page user can access:

[Documentation page](#) – to open downloaded documents, manuals etc;

[Diagnostics page](#) – to visualize input and output signals, all alarm list, last alarms list, various statistic info;

[Quick setup page](#) – setup wizard that guides the user step by step through all important parameters that need to be set;

[Setup page](#) – contains list of all important CDD6 parameters to be set individually;

[Advanced page](#) – contains list of all modifiable CDD6 parameters;

[Upgrade page](#) – enables user to update CDD6 controller through App;

[WiFi setup page](#) – enables Wi-Fi password and SSID change;

[Home page](#) – takes back to App Home Page;



## Documentation page

User can visualize and open documents previously downloaded from FTP server. In case there are no documents downloaded App informs the user (Fig. 9a). Otherwise list of downloaded documents opens and user can choose document from the list (Fig. 9b).

NOTE: *The way a document is visualized depends on the user phone settings and document applications available on the user device.*

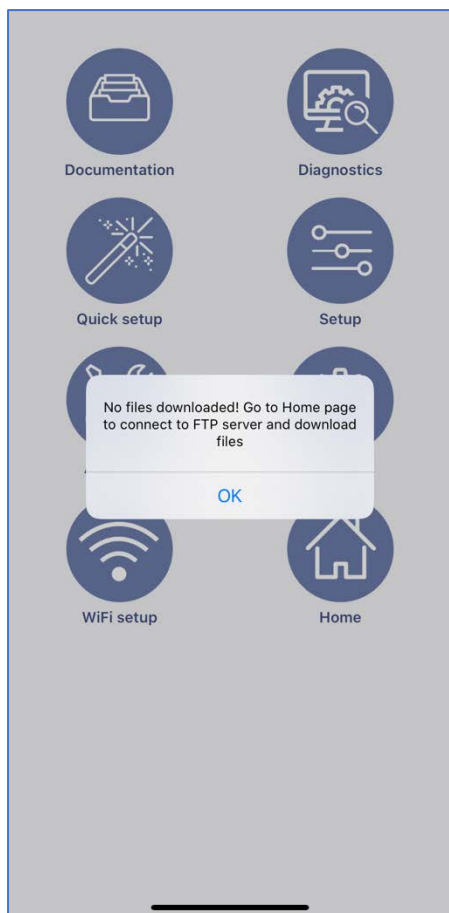


Fig. 9a -Warning no document downloaded

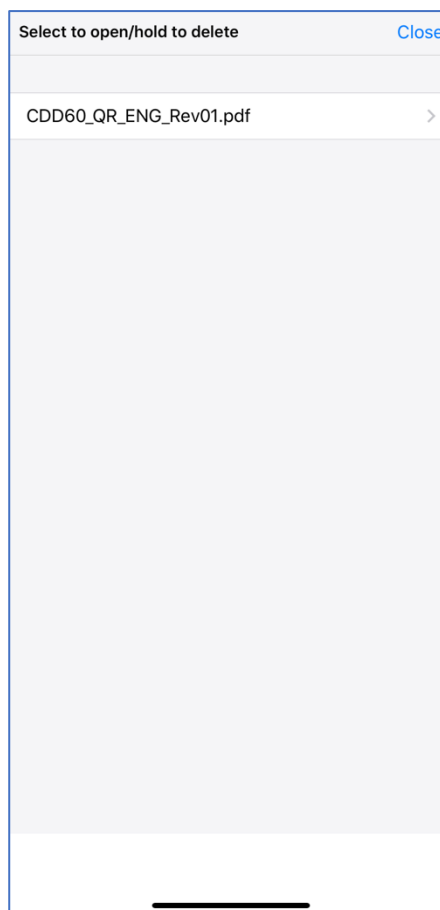


Fig. 9b – List of documents downloaded in App

Documents available for download are:

- Manuals
- Quick references
- Other

## Diagnostics page

Contains 4 sub-pages:

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

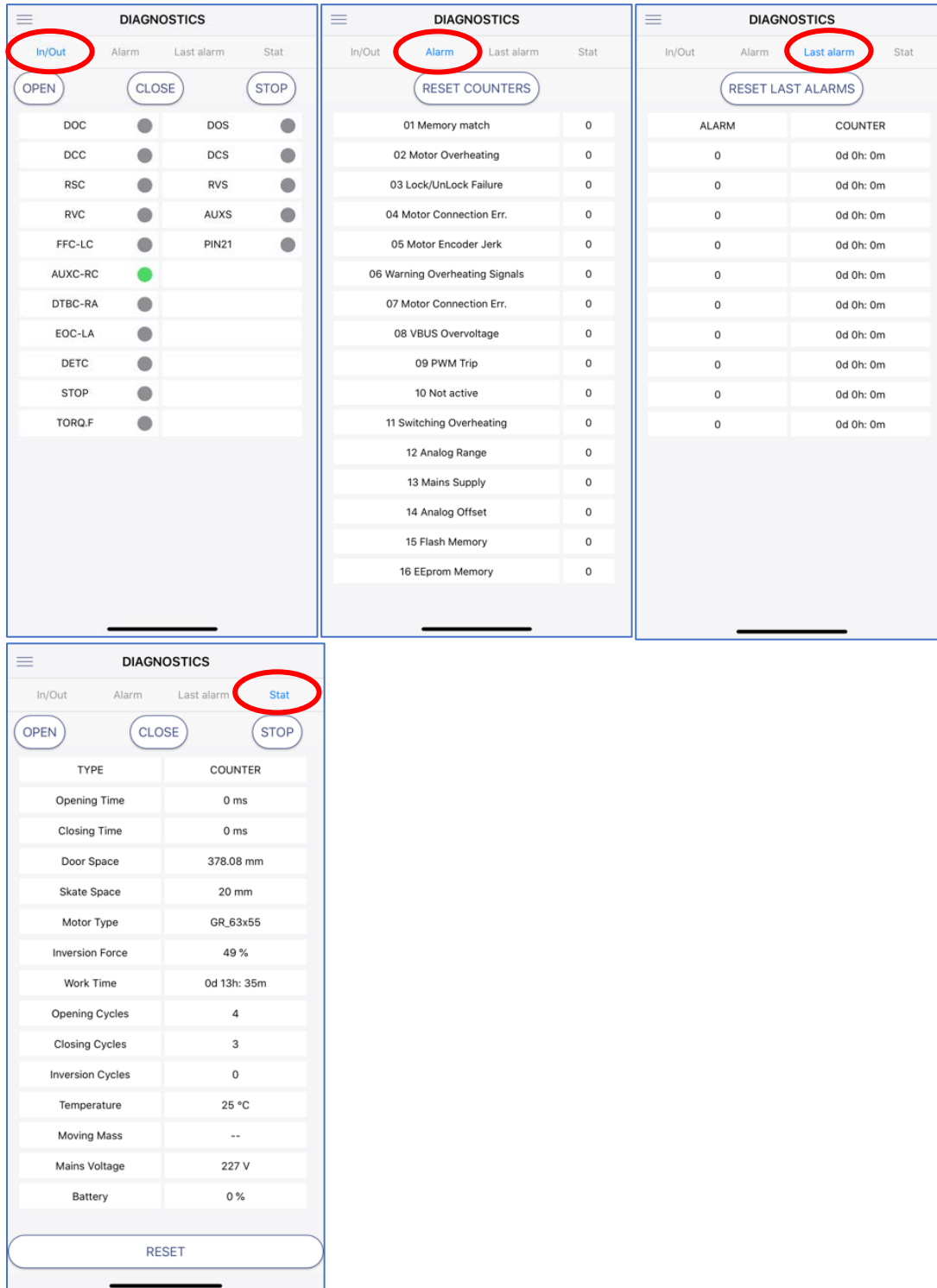


Figure 10 - (a) Input/Output (b) All alarms list (c) Last alarms list (d) Statistics

## Quick setup page

Setup wizard runs user consecutively through all principal CDD6 parameter pages, to help the user set all values for proper device functioning. Each parameter page (Fig. 11) contains icons that represent different parameter values. User sets value by selecting one icon. Current value is indicated by the icon circled with red.

Arrows in the bottom of the page are used to move forward to the next or to return to the previous parameter.

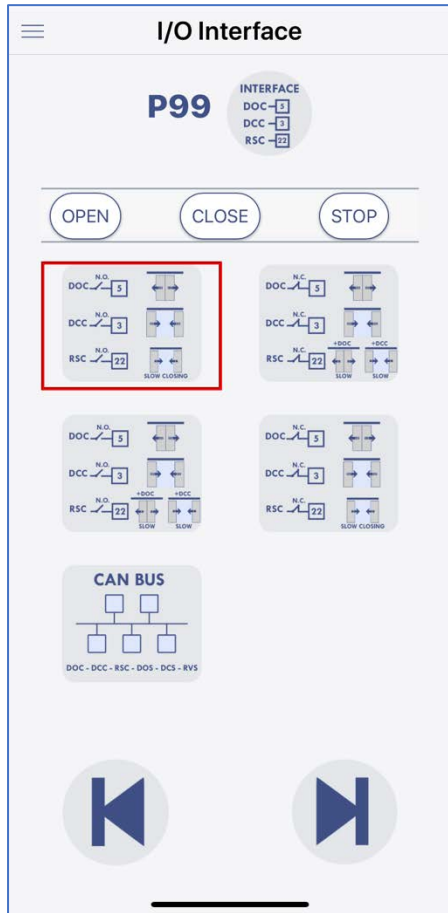


Fig. 11 - Quick setup parameter page

## Setup page

All most important parameters are listed with their icon and description. User selects the parameter to open the parameter page. Parameter page contains icons that represent different parameter values. User sets value by selecting one icon. Current value is icon circled with red.



Figure 12 - List parameters setup

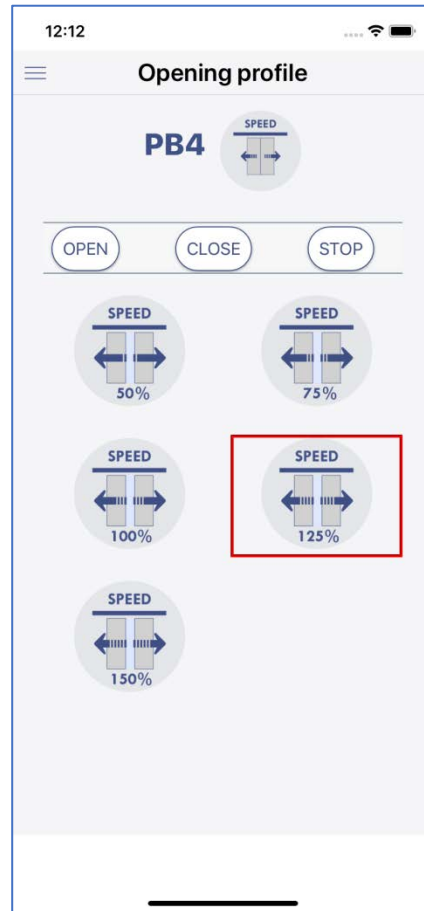


Figure 13 - PB4 parameter page

## Advanced page

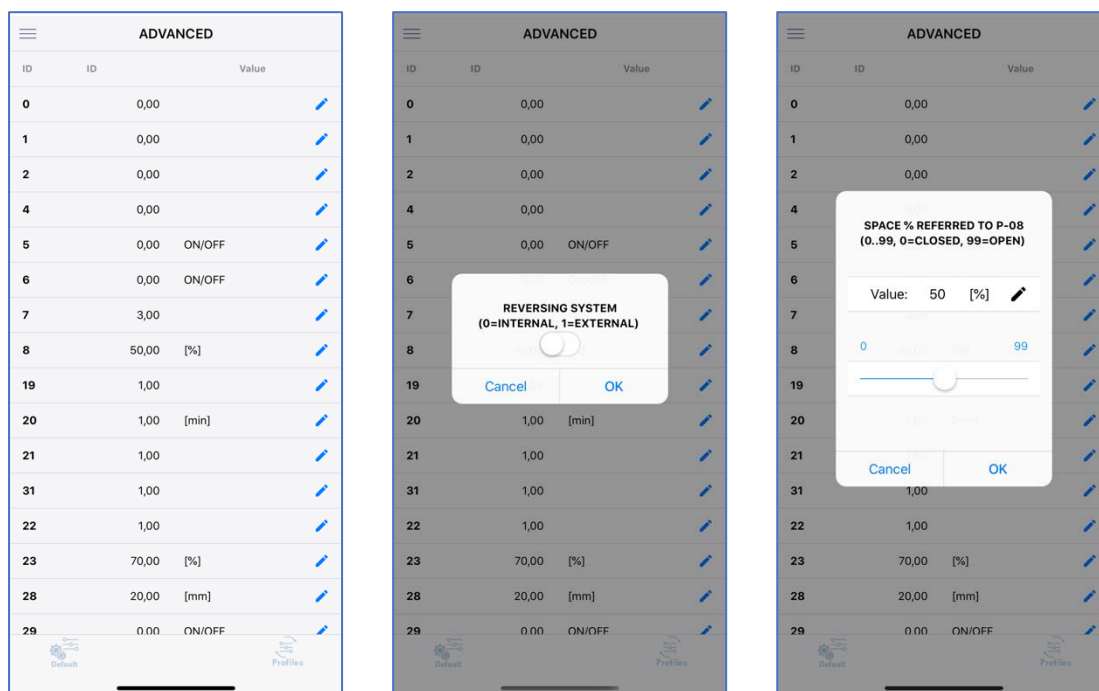


Fig. 14 - (a) All parameters list (b) Set binary parameter value (c) Set range parameter value

Advanced page displays the list of all parameters that can be changed by the user (Fig. 14). User can modify parameter value by clicking on the pen icon on the right. The details window is displayed showing parameter short description, current value, and in case of range parameter, value range as min and max value of the slider. By clicking ok button, value is automatically saved.

In the page bottom there are two buttons:

1. Default - sets parameters default values;
2. Profiles – sets default profile values;

**NOTE: There is defined range of values for each range parameter. In case user tries to input value out of parameter range App issues a warning.**

## Upgrade page

From Upgrade page user can check the FW version of the CDD6 (Fig. 15b) and decide if to upgrade CDD6 or not.

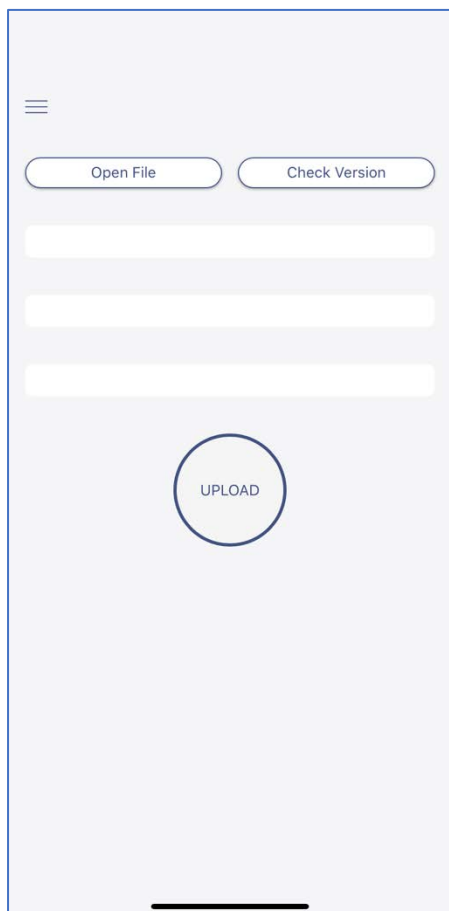


Fig. 15a - Upload page

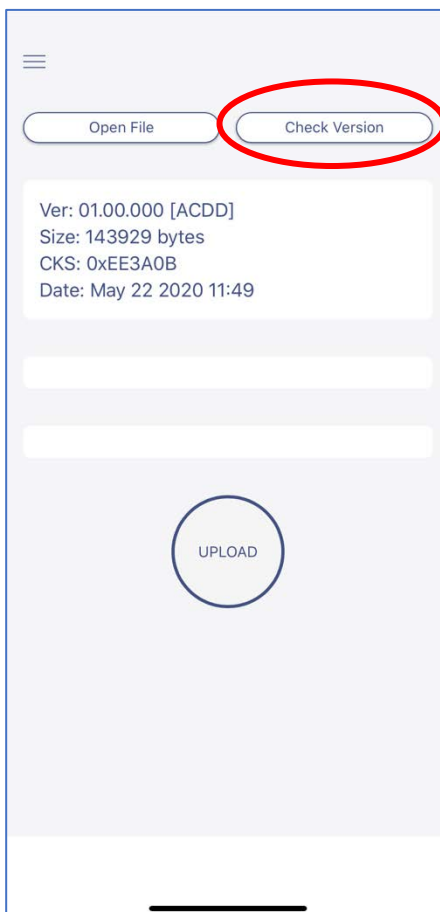


Fig. 15b - Check controller FW version

**NOTE: Upgrade is not possible if no file is opened by user** (Fig. 16a). User should click on Open File button that lists all previously downloaded update files. If no files are downloaded warning is shown (Fig. 16b). User should disconnect from CDD6 connect to external Wi-Fi network or mobile network and download upgrade file(s).

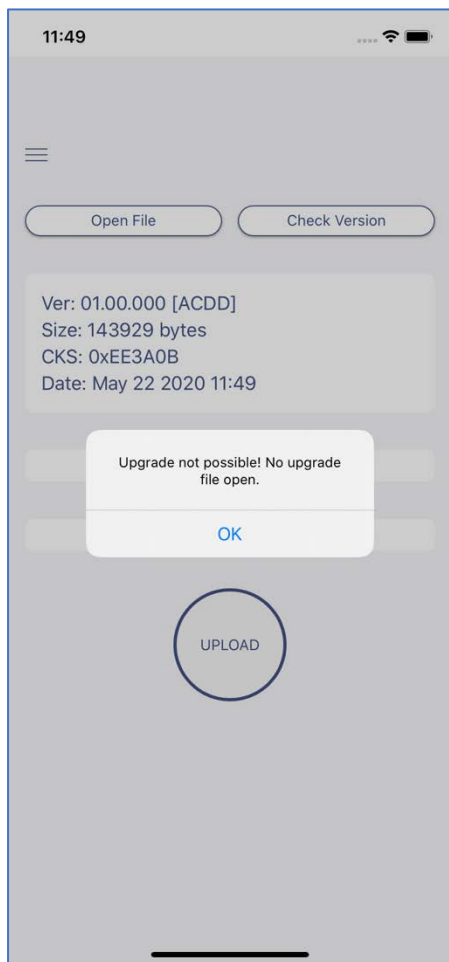


Fig. 16a - Warning - no file is open

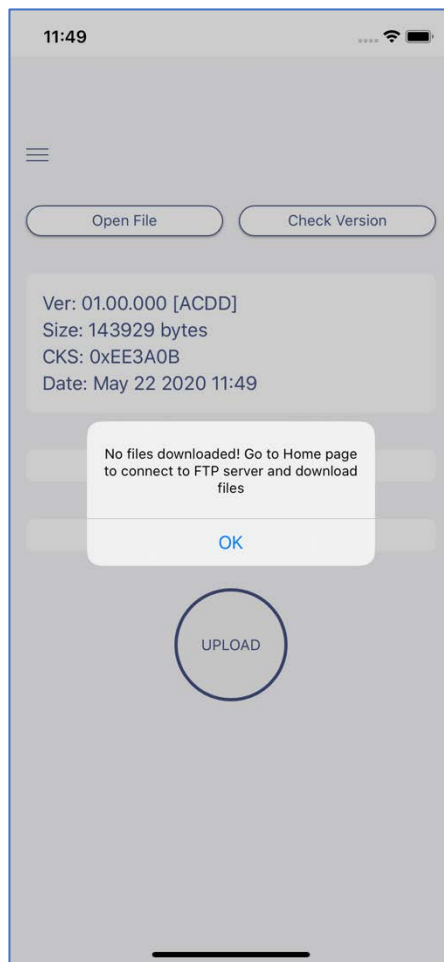


Fig. 16b - Warning - no upgrade files downloaded

When file is opened user can start CDD6b upgrade by clicking UPLOAD button.

**NOTE: Upgrade is not possible if CDD6 is not in inspection mode (Fig. 17).**

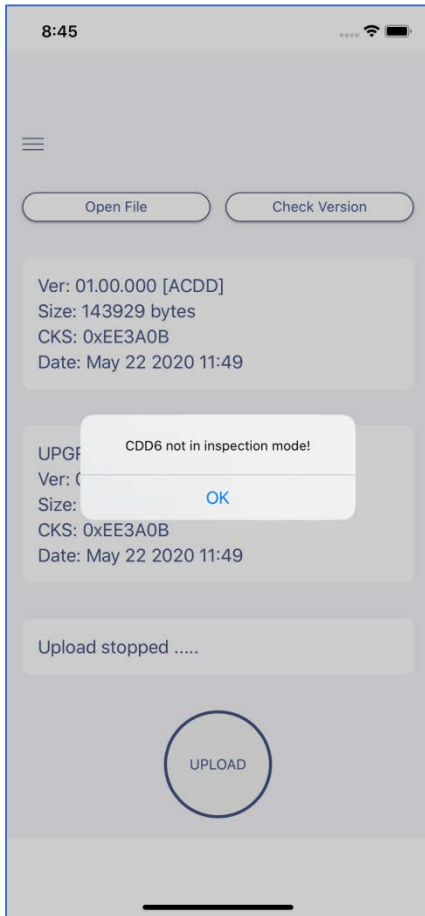


Fig. 17 - CDD6 version and open file version

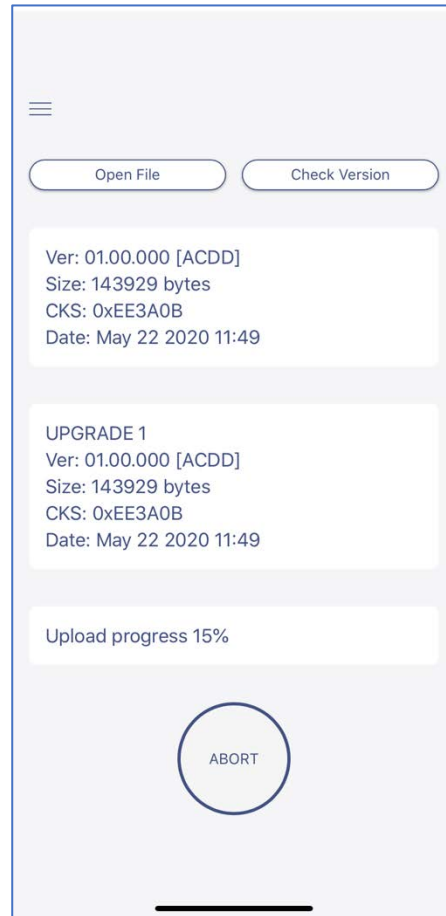


Fig. 18 - Warning CDD6 not in inspection mode

The upgrade window informs user on the upload progress state. Once entire file is downloaded to CDD6, device verifies the integrity of the file and proceeds to upgrade internally. When upgraded CDD6 restarts and user needs to wait few seconds to be able to reestablish the connection automatically.

If upgrade was successful text box becomes green (Fig. 19) otherwise red.



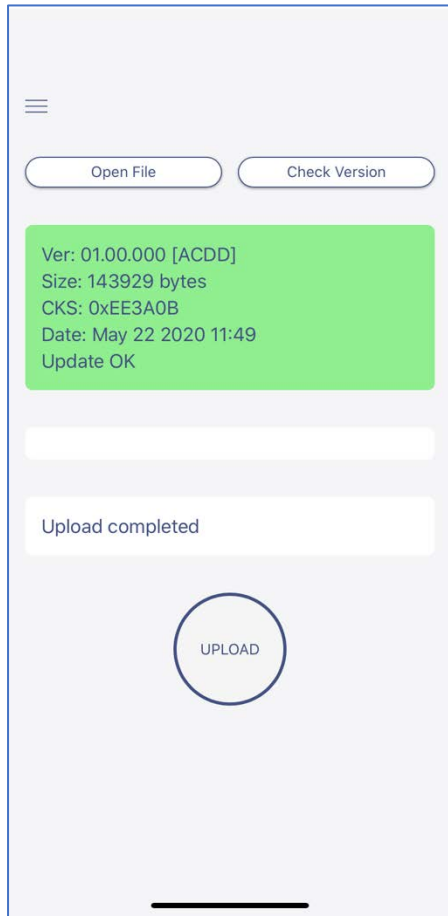


Fig. 19 - Update completed OK

## Wi-Fi setup 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.**

The screenshot shows a mobile application interface for Wi-Fi setup. At the top left is a hamburger menu icon. Below it, the text 'WIFI SSID (MAX 12 ALPHANUMERIC CHAR)' is displayed above a text input field containing 'Cdd\_1234'. Underneath this field is a button labeled 'SET NEW SSID'. The next section is labeled 'WIFI PASSWORD (8 ALPHANUMERIC CHARACTER LONG)' above a text input field containing 'Computec'. Below this field is a button labeled 'SET NEW PASSWORD'. At the bottom of the form is a button labeled 'SET NEW SSID & PASSWORD'.

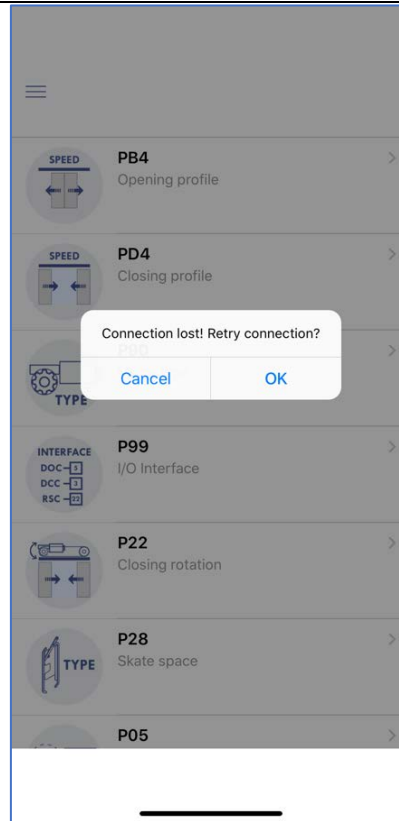
Figure 20 – Wi-Fi setup page showing actual SSID and password values

If setup is finished with success relative textbox becomes green. Controller restarts the Wi-Fi module.

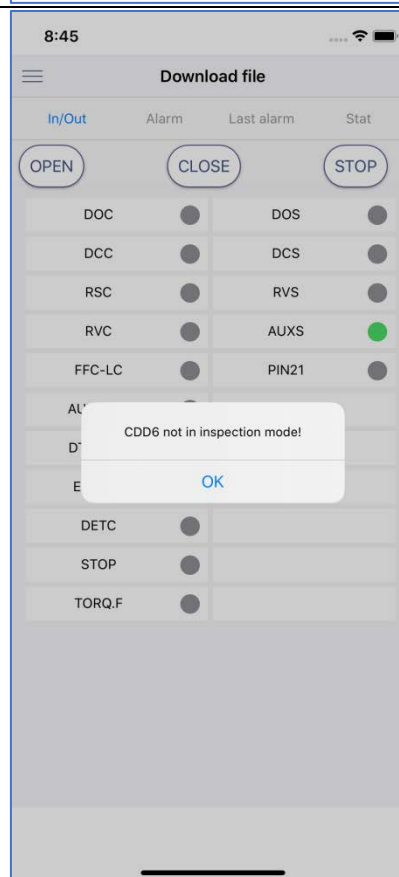
*NOTE: Restarting the Wi-Fi module the connection with CDD6 is lost. User needs to reestablish the connection with CDD6 inserting new SSID and/or Password in the mobile device Wi-Fi settings window.*

## Warnings

**Connection lost! Retry connection?** – App lost connection with CDD6 Wi-Fi. Check that mobile device is connected to CDD6 Wi-Fi and 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, change request is rejected and App issues a warning. User has to put CDD6 into inspection mode and retry the operation.



**Error! Connection problem! Check if connected to CDD6 Wi-Fi** – if App tries to reach CDD6 but does not receive response for 15 seconds, it issues a warning. User should check if mobile device is connected to CDD6 Wi-Fi.

