

eMobility Services

Technical Procedure Manual

How to save the circarlife's keys on a RFID Card



- POWER FACTOR CORRECTION
- SURGE / LIGHTNING PROTECTION
- HARMONIC FILTERS
- FREQUENCY CONVERTER
- POWER AUDITING / EARTHING PRODUCTS
- UPS & BATTERIES / POWER TRANSFORMERS
- EV CHARGING / PARKING GUIDANCE SYSTEM



CIRCONTROL
Mobility & eMobility

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Name:	How to save the circalife's keys on a RFID card				
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1. Subject

2. Models Affected

3. Safety & Security information

- Read all the instructions before using and install this product.
- Do not use cables there are not in perfect conditions.
- Do not use this unit for anything other than electric vehicle charging modes are IEC 61851-1 MODE 3 and MODE 1.
- Do not modify this unit. If modified, CIRCONTROL will reject all responsibility and the warranty will be void.
- Comply strictly with current safety regulations according to your country rules.
- Do not make repairs or manipulations with the unit energized.
- Only trained and qualified personnel should have access to low-voltage electrical parts inside the device.
- Check the installation annually by qualified technician.
- Remove from service any item that has a fault that could be dangerous for users (broken plugs, caps that don't close...).
- Use only CIRCONTROL supplied spare parts.
- Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.

	<p>This symbol indicates a potentially hazardous situation which, if not avoided may result in a risk of fire, serious injury or death.</p>
	<p>Such work should be performed only by highly qualified in the electric scope and with a deep knowledge of the product, preferably personnel who have been instructed by CIRCONTROL.</p> <p>Failure to follow this instruction, CIRCONTROL will reject all responsibility and the warranty is void.</p>

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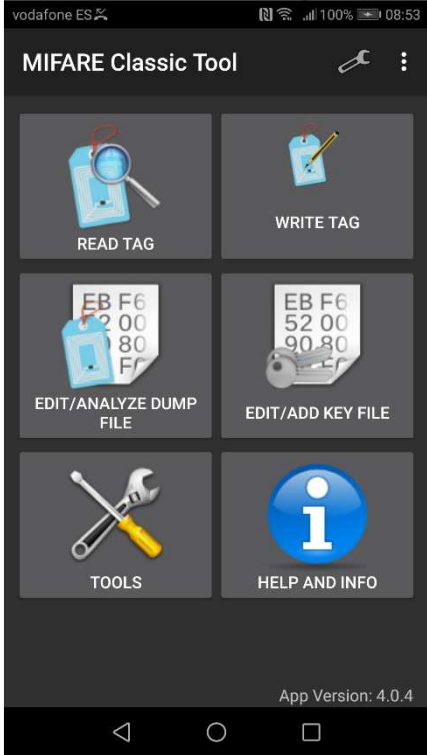
4. Hardware & Software required.

Hardware	
	Mobile (with NFC activated)
	CirCarlife RFID Card

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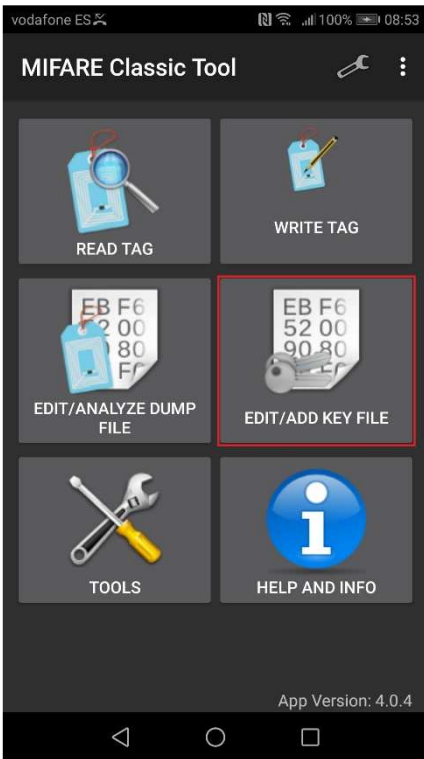
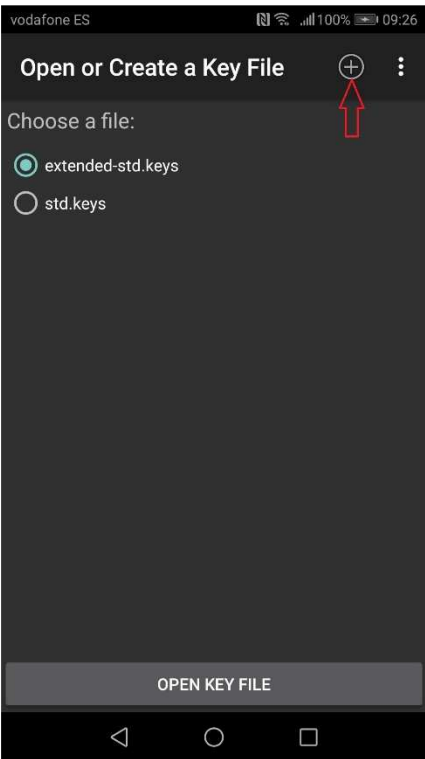
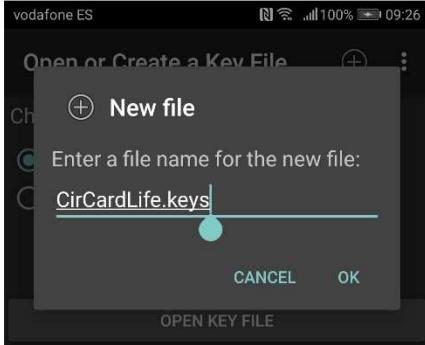

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5. Procedure

STEP	ACTION
1	<p>We must have the connection via "NFC" activated</p> 
2	<p>Select the APP "MIFARE Classic Tool"</p> 
3	<p>The home screen of the APP is like the following:</p> 
4	<p>Select the option "Edit / Add Key File"</p>

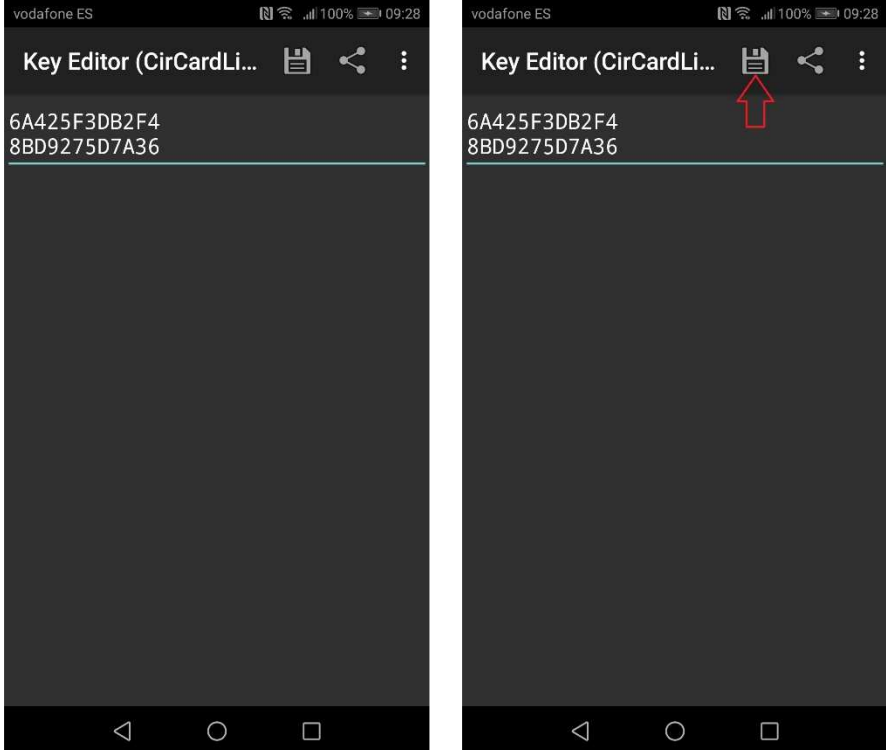
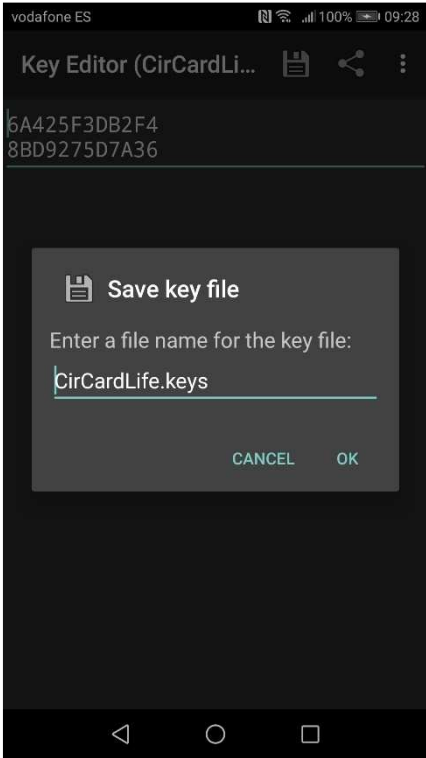
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	 <p>The screenshot shows the main menu of the 'MIFARE Classic Tool' app. The menu includes options: READ TAG, WRITE TAG, EDIT/ANALYZE DUMP FILE, EDIT/ADD KEY FILE (highlighted with a red box), TOOLS, and HELP AND INFO. The app version is 4.0.4.</p>  <p>The screenshot shows the 'Open or Create a Key File' dialog. It prompts the user to 'Choose a file:' with two radio button options: 'extended-std.keys' (selected) and 'std.keys'. A red arrow points to the '+' icon in the top right corner. An 'OPEN KEY FILE' button is at the bottom.</p>
5	 <p>The screenshot shows a 'New file' dialog box. It asks the user to 'Enter a file name for the new file:' and the text 'CirCardLife.keys' is entered in the input field. There are 'CANCEL' and 'OK' buttons. Below the dialog is a keyboard with the text 'CirCardLife.keys' above it.</p>  <p>The screenshot shows the 'Key Editor (CirCardLi...' screen. It displays 'HEX, 6 bytes per line' and a large empty text area for editing keys.</p>
6	<p>We will insert the Circontrol keys to have the Keys of the CirCarLife 6A425F3DB2F4 8BD9275D7A36</p>

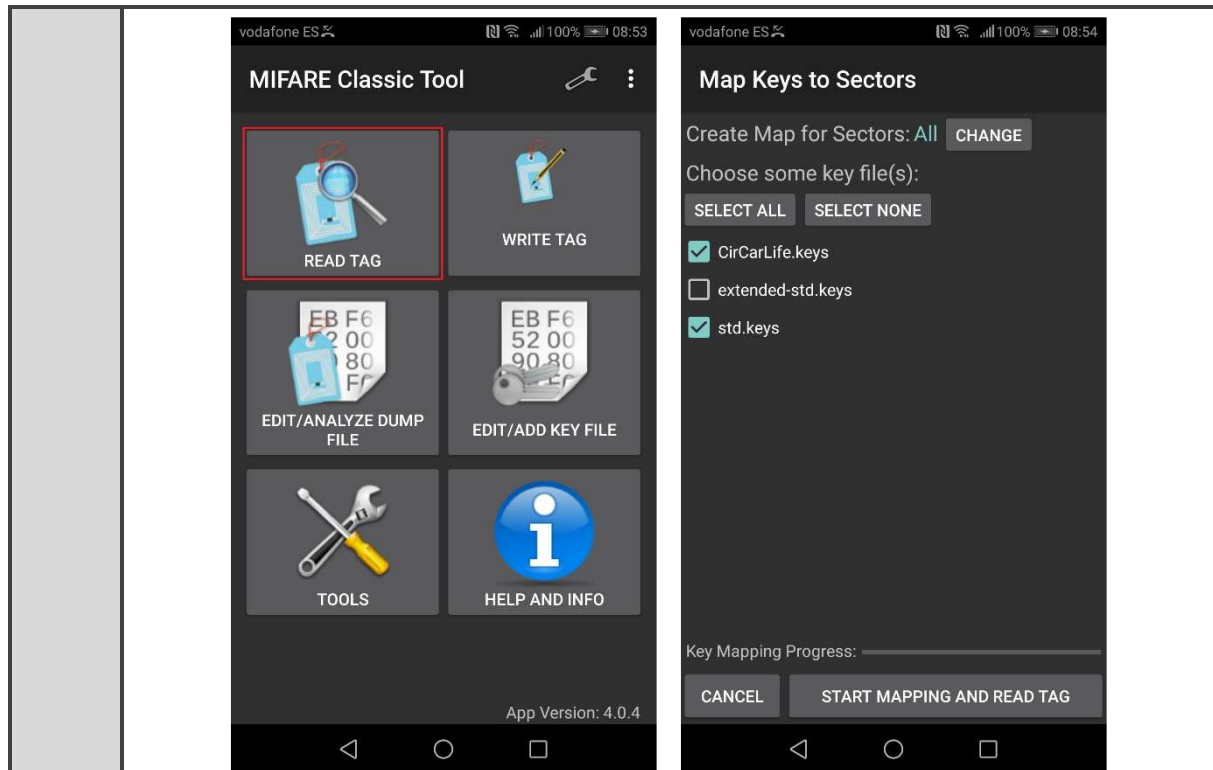
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7	 <p>Now we have the circarlife keys on the MCT app and we will be able to read the sector 0 on the circarlife cards</p>
8	Then we need to read the RFID Card

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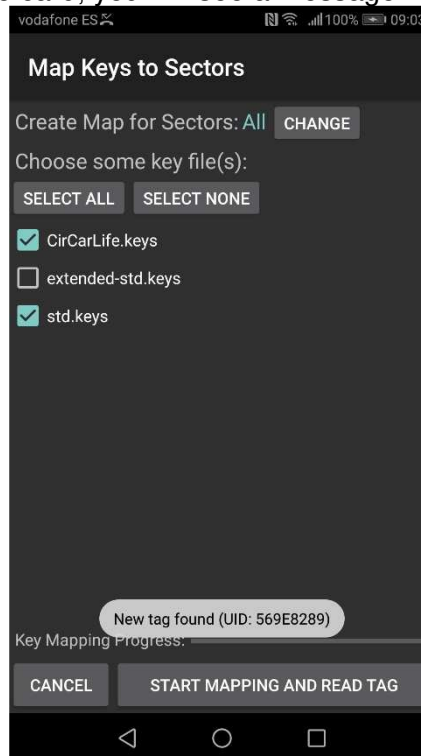
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Select CirCarLife.keys and std.keys

When you will be on this part you must put the RFID Card under your mobile and if your mobile can read the card, you will see a message like this one:

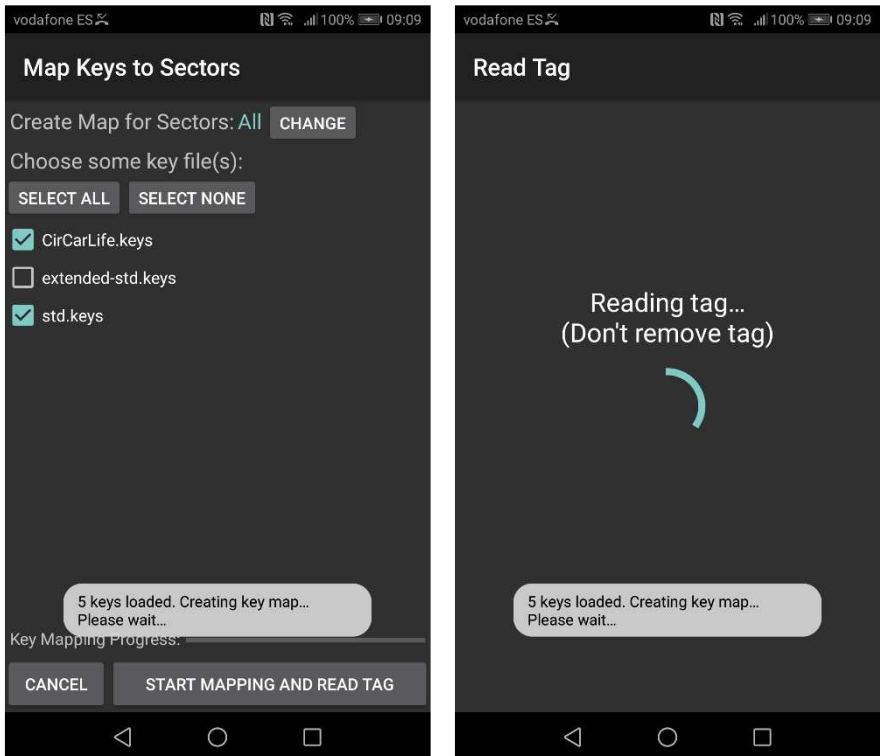
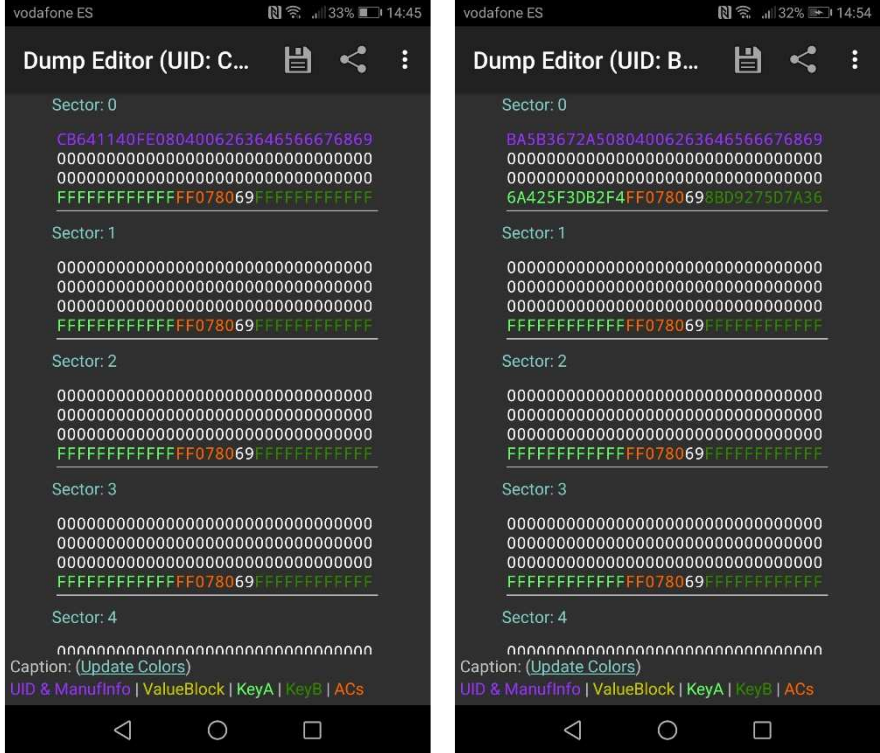
9



When you see this message then you can press "START MAPPING AND READ TAG"

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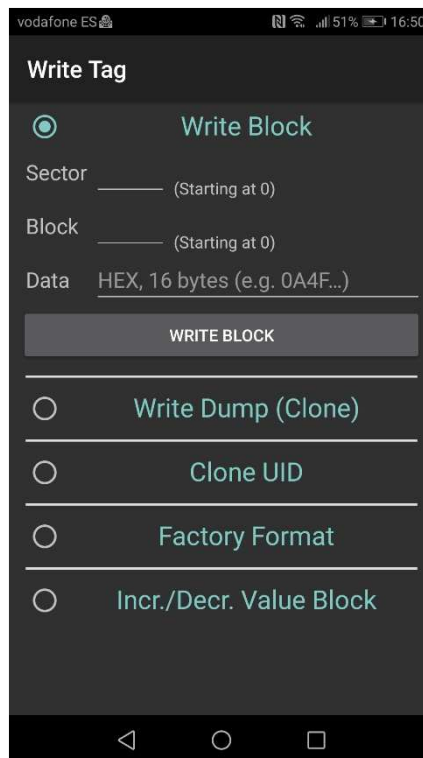
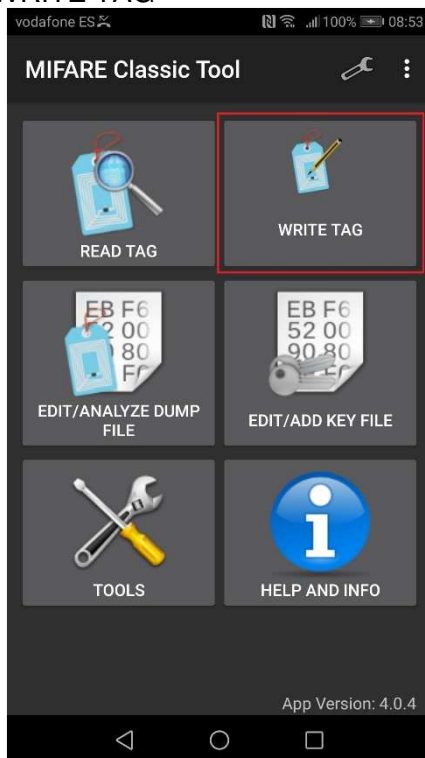
<p>10</p>	
<p>11</p>	<p>After reading the card you will this screen:</p>  <p style="text-align: center;">Formatted card Card with circarlife keys</p>
<p>12</p>	<p>So, if you have a formatted card, you will need to write the circarlife keys on the RFID card</p>

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Go to WRITE TAG



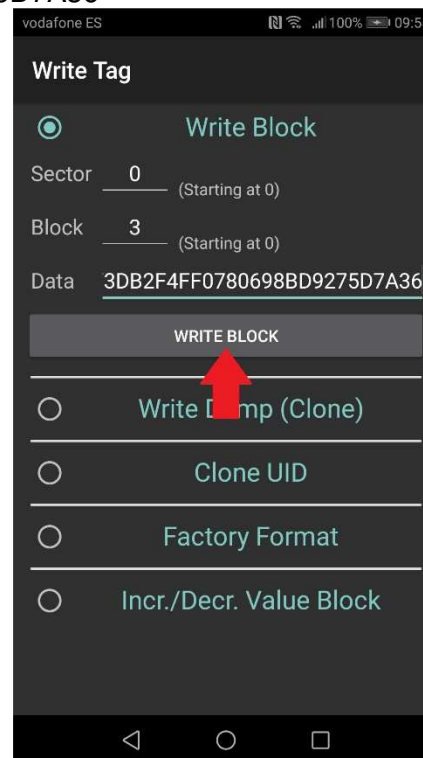
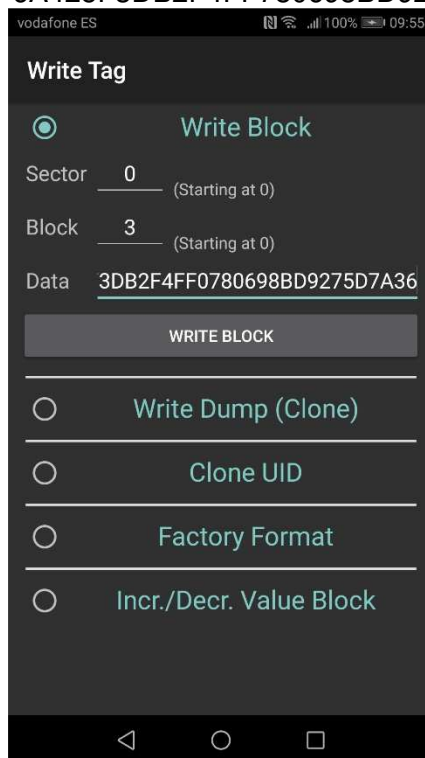
And select Write Block

14

Insert this data:

Sector = 0 and Block = 3

Data = 6A425F3DB2F4FF780698BD9275D7A36



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After write the card you can check the Sector 0 reading again the RFID card

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6. Appendix.

6.1. Basic windows CMD commands.

`cd [directory]` – Change the directory.

`cd ../` – Go one folder back.

`cd /` – Go to the root directory.

`dir` – Show the directories in our current position.

`cls` – Clean the screen.



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