

HowTo: CMC III coded lock / transponder reader access control using access.cmc3

First connect the handle and a reader system to the CAN-Bus Access and then connect them with the Processing Unit. The Processing Unit must be accessible from the network or with peer-to-peer connection and permit FTP access.

The complete access control of the CMC III is managed using an access file ('access.cmc3'). This file is accessed with an FTP connection to the Processing Unit. Because most of the configuration must be done manually, it can only be performed by a user with the appropriate access rights ("read/write"). To do this, first open an FTP program (e.g. "FileZilla") and login with the IP address of the Processing Unit and the access data (admin/admin) on port 21 for FTP or 22 for SFTP. Navigate to the "upload" directory and copy the "access.cmc3" from there to your PC. Alternatively, you can also establish the FTP connection from a browser by entering the following address in the address line:

```
ftp://username:password@ip-address
```

Replace in this line, "username" with a user name authorised for an FTP connection and "password" with the associated password. Then replace "ip-address" with the IP address of the Processing Unit.

Once you have established the connection (by pressing the Enter key), you can also navigate here to the "upload" directory and save the "access.cmc3" on your PC () or also display directly ()

The "access.cmc3" file will be created when the first input of a card or key code is made. If the file does not yet exist in the "upload" directory, disconnect the FTP connection, enter an arbitrary series of digits on the keypad and confirm the input by pressing the Enter key or hold a transponder card in front of the transponder reader. The file will be created automatically when you establish a new FTP connection.

To open and change the "access.cmc3"-file it is recommended to use the program "Notepad++" instead of the normal Windows Editor. "Notepad++" is available in the internet as freeware.

This file initially contains only some information about the CMC III as well as the three standard key codes: 1001, 1002 and 1003 (see file: access1.cmc3). If a transponder reader is used, the "access.cmc3" file also contains two lines with options for the transponder system.

An example of this file is contained in Appendix 1.

This file has the following structure:

- The first five lines that start with '#' are comment lines.
- The three released key codes are listed in three different lines.
The structure of such a line is, for example: Key:1001; User;; Handle:
This means that the '1001' key code has not yet been assigned any user or handle. If the key code '1001' is now entered, only that handle connected to the same CAN-Bus Access as the keypad will be opened. No handle will be opened for the input of key codes not contained in this list. Number codes can have a maximum of eight digits.
- An additional line contains the options required for the use of a transponder system. This line has the same structure and differs only that instead of the option "Key:", the option "Crd:" for a transponder card number is present. If a card is now registered on the system, a line will be added automatically and the card number of the associated card as well as the serial number of the handle written in the appropriate option fields. The transponder card can, however, be used only after a user has been entered.

If a key code should be used to control a handle that is connected to a different CAN-Bus Access than the keypad itself, a user must also be entered in this line! The software also checks whether this user has been created in the PU.

After changing the access.cmc3 file on the laptop, this file must again be copied with FTP into the upload folder of the PU. Should this file already exist in the folder, it may need to be deleted beforehand.

Appendix 2 contains an example in which two handles can be opened with a keypad and a transponder reader, respectively.

Appendix 1: "access.cmc3"-1

#----- Access-File CMC-III -----

Name : Name of the Unit

Location : Location of the Unit

Contact : Contact Person

IP Address: 192.168.0.190

Key:1001; User;; Handle:

Key:1002; User;; Handle:

Key:1003; User;; Handle:

Crd;; User;; Handle:

Crd:000000003A74F9D5; User;; Handle:87199578

Appendix 2: "access.cmc3"-2

```
#----- Access-File CMC-III -----  
# Name    : Name of the Unit  
# Location : Location of the Unit  
# Contact  : Contact Person  
# IP Address: 192.168.0.190
```

```
Key:1234; User:cmc; Handle: 87199578  
Key:123456; User:Rittal; Handle:67194027  
Key:12345678; User:admin; Handle: 87199578,67194027  
Crd;; User;; Handle:  
Crd:000000003A74F9D5; User:cmc; Handle: 87199578  
Crd:000000005D9DC97E; User:Rittal; Handle:67194027  
Crd:000000001F82AC50; User:admin; Handle: 87199578,67194027
```

Description:

The first handle is opened with the number combination "1234"; handle 2 is opened with the number combination "123456"; the number combination "12345678" opens both handles. The associated user assigned to the code is listed in the PU log file.

Each user is also assigned an RFID card. A card (specified as card code in the access.cmc3 file) can be assigned an unlimited number of handles. In the above example, the card assigned to the "cmc" user opens the first handle, the card assigned to the "Rittal" user opens the second handle, and the card assigned to the "admin" user opens both handles.

All accesses can be granted by any reader system (keypad or transponder reader) attached to the PU. If several keypads are attached to a PU using CAN-Bus Access, no differentiation is made between the keypads but rather the key codes contained in the access.cmc3 file always open the same door(s).