



PC/SC Desktop Module
13.56 MHz OEM RFID Module

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Issue 0.1
– 24. January 2019 –

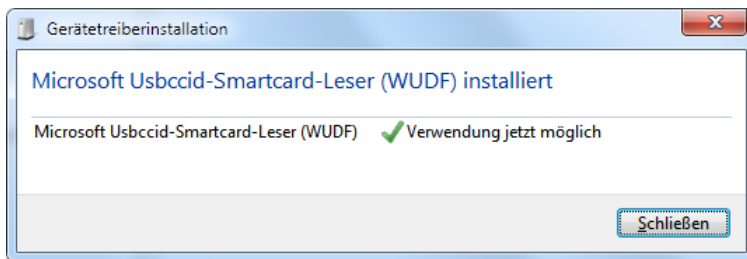
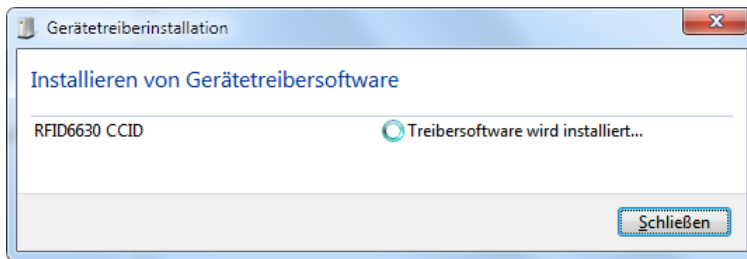
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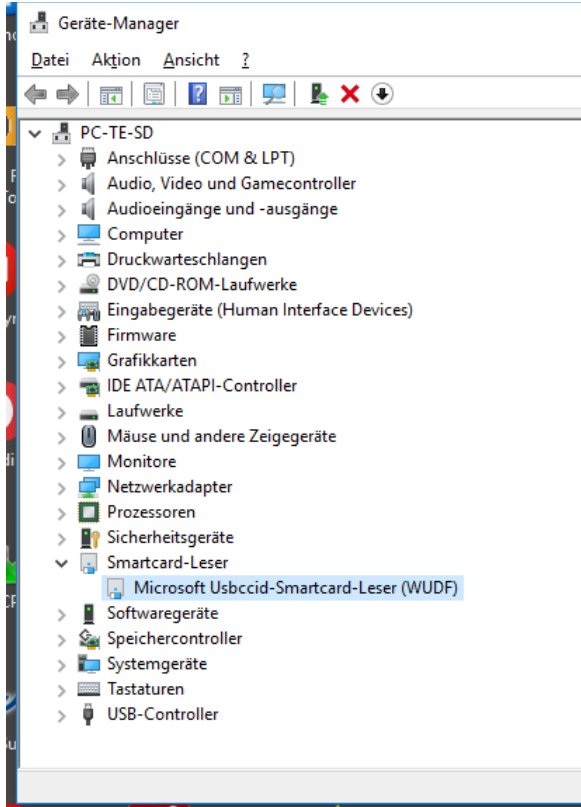
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1 Installation Part 1

Plug in the device without any RFID tag on it and wait until the device drivers are fully installed.



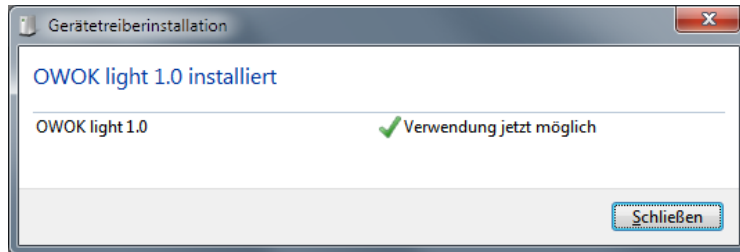
You will see this entry in the Device Manager:



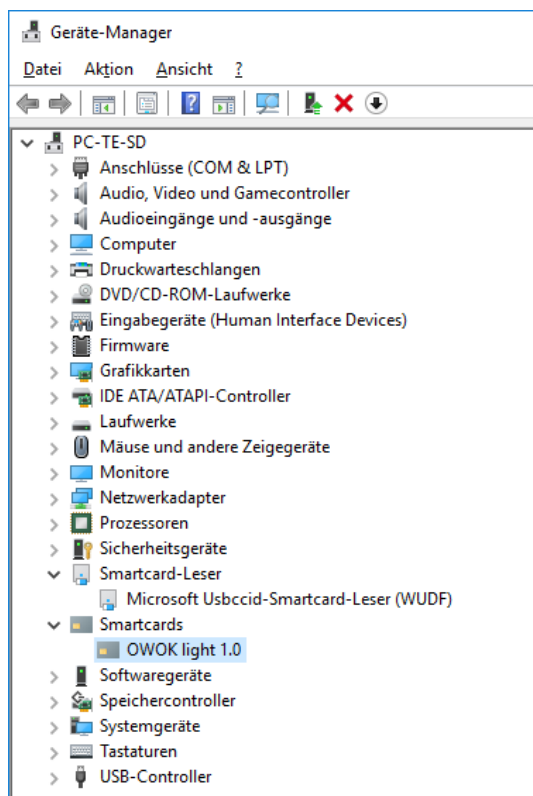
2 Installation Part 2

Now place a Mifare DESFire card on top of the device. The light will change to green.

Now the smart card drivers are installed. Please wait until this step is fully finished:



You will see this entry in the Device Manager:

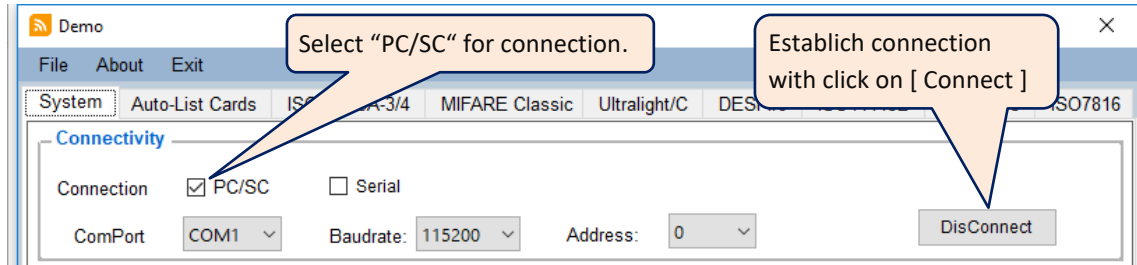


3 Test Operation with our Demo/Test Software

Important Note

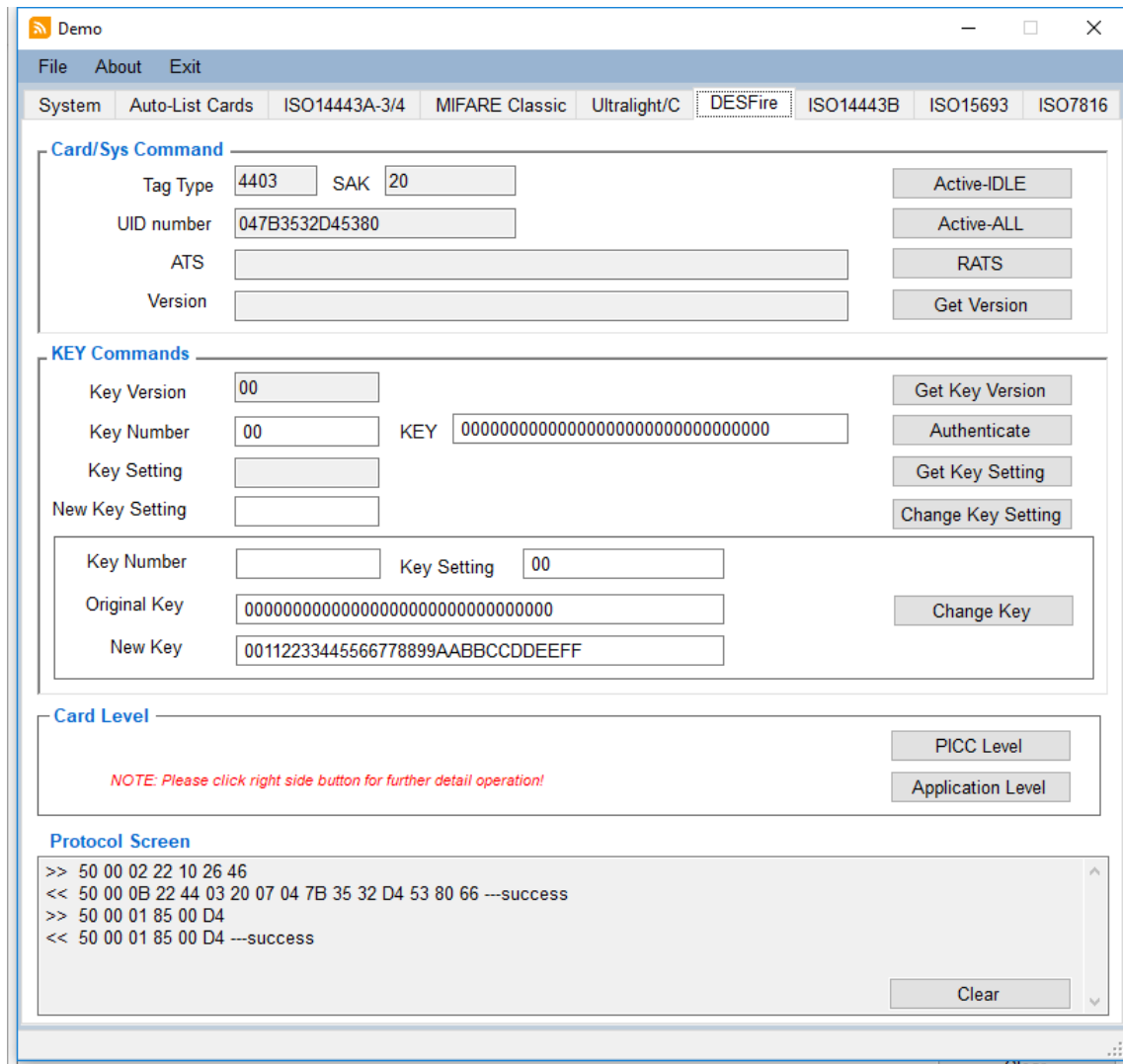
Please put a DESFire RFID tag on top of the device. Wait for the light to change to green.

3.1 Establish Connection



Establish the connection with [Connect]. Please pay attention to the status message on the Protocol Screen at the bottom of this software.

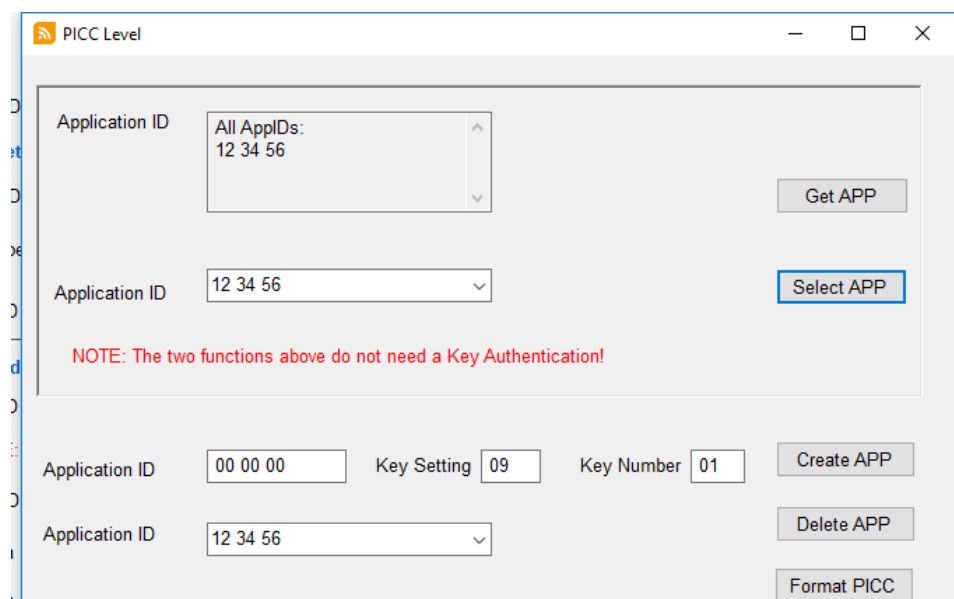
3.2 Start DESFire Test Operation



Please refer to the manual "OEM-DES devices Test Software Manual_x.y_EN.pdf".

3.3 Handle Applications

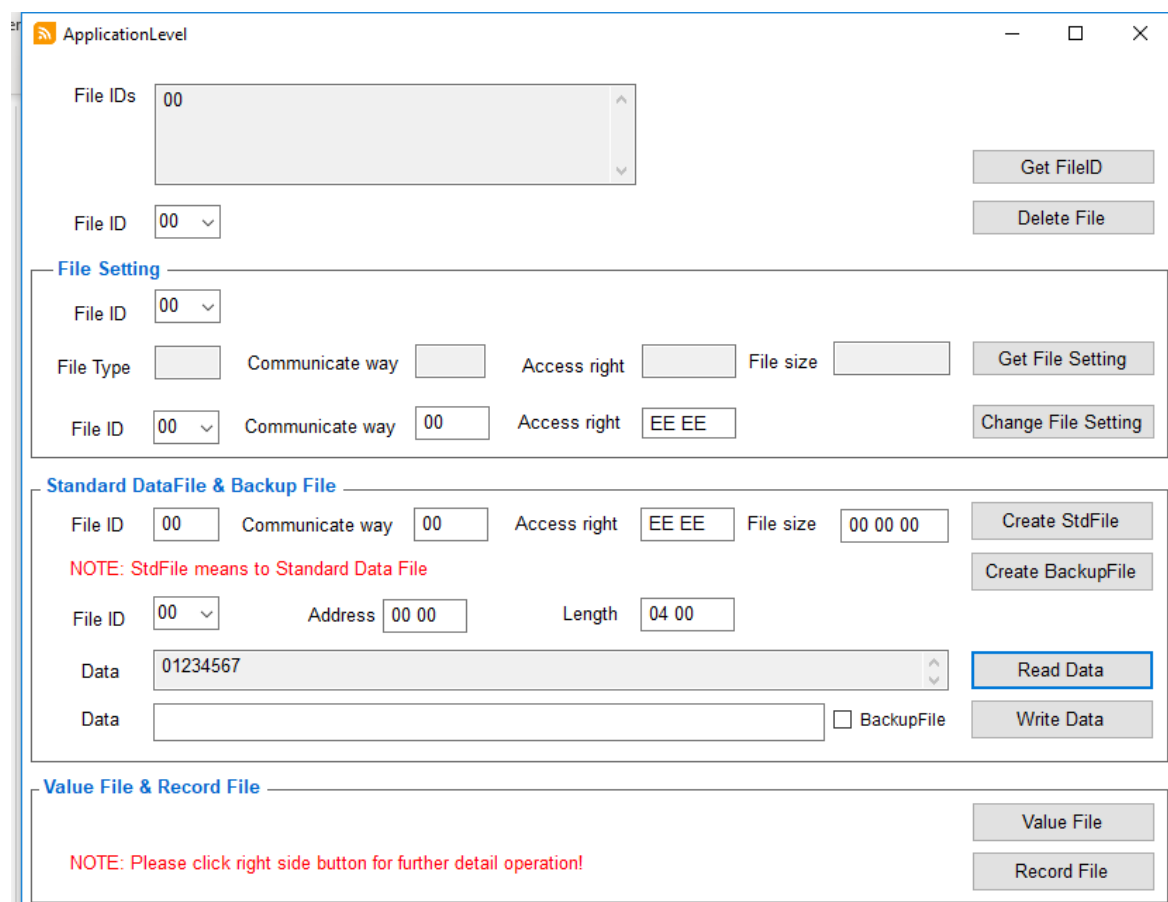
Applications are like folders on a PC. They can contain files and can have access rights.



The **PICC Level** window contains the following elements:

- Application ID** list box showing "All ApplIDs: 12 34 56".
- Get APP** button.
- Application ID** dropdown menu showing "12 34 56".
- Select APP** button.
- NOTE:** The two functions above do not need a Key Authentication!
- Application ID** text box with "00 00 00", **Key Setting** text box with "09", and **Key Number** text box with "01".
- Create APP** button.
- Application ID** dropdown menu showing "12 34 56".
- Delete APP** button.
- Format PICC** button.

3.4 Handle Files



The **ApplicationLevel** window contains the following sections and elements:

- File IDs** list box showing "00".
- Get FileID** button.
- File ID** dropdown menu showing "00".
- Delete File** button.
- File Setting** section:
 - File ID** dropdown menu showing "00".
 - File Type** text box, **Communicate way** text box, **Access right** text box, and **File size** text box.
 - Get File Setting** button.
 - File ID** dropdown menu showing "00", **Communicate way** text box with "00", **Access right** text box with "EE EE", and **Change File Setting** button.
- Standard DataFile & Backup File** section:
 - File ID** text box with "00", **Communicate way** text box with "00", **Access right** text box with "EE EE", and **File size** text box with "00 00 00".
 - Create StdFile** button.
 - NOTE:** StdFile means to Standard Data File
 - Create BackupFile** button.
 - File ID** dropdown menu showing "00", **Address** text box with "00 00", and **Length** text box with "04 00".
 - Data** text box with "01234567".
 - Read Data** button.
 - Data** text box, ☐ **BackupFile** checkbox, and **Write Data** button.
- Value File & Record File** section:
 - Value File** button.
 - NOTE:** Please click right side button for further detail operation!
 - Record File** button.