

The screenshot shows the "CANBUS READER CONFIGURATION" software interface. It has a menu bar with "LOAD CONFIG", "STORE CONFIG", "EXIT", and "ABOUT". The main area is divided into several sections: "CAN CONNECTION PARAMETERS" with fields for TYPE (DEV\_USBCAN), INDEX NO. (0), CAN Channel (0), and CAN Speed (250kpbs), and an Address field (1BC00036); "ENCRYPTION CONFIGURATION" with a SET 3DES KEY field and buttons for "SET IN PC SW" and "STORE IN RFID DEVICE"; "GET INFORMATION FROM RFID DEVICE" with buttons for "GET CAN FW INFO" and "GET RFID FW INFO"; "CONFIGURATION" with fields for KEY Setting (0D), KEY Numbers (03), Application ID (EFCDA8), APP MasterKey No. (00), APP Masterkey (766B466545394C4B405F3D3D3337745A), COM. SET (00), Access rights (0010), File Size (1000), File ID (08), File AccessKey No. (01), and File AccessKey (5575254A26533F354A5866324234464D); and "CREATE RFID LOCK" with a Data field (11223344) and a "WRITE FILE" button. A "MESSAGE" box on the right shows "Store keys success".

## RFID CAN-Lock Configuration Software

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## Contents

<b>1</b>	<b>Preface .....</b>	<b>4</b>
1.1	Important Note .....	4
1.2	Compatible Hardware .....	4
1.3	CAN-Bus Connection .....	4
1.4	CAN-Bus Termination Switches · TBD .....	4
<b>2</b>	<b>Get the Software .....</b>	<b>5</b>
2.1	Preparation .....	5
2.2	Important Note .....	5
<b>3</b>	<b>Software Operation .....</b>	<b>6</b>
3.1	Prepare CAN Connection .....	6
3.2	Open and Activate CAN Connection .....	6
3.3	Set 3DES Password and Store to PC · TBD .....	6
3.4	Change Default Configuration · TBD .....	7
3.5	Create RFID Keys .....	7
<b>4</b>	<b>Revision History .....</b>	<b>8</b>

1 Preface

1.1 Important Note

This configuration software is in an early stage of development. Please not the following functions are not supportet:

- Menu does not function.
- Changed settings are not stored, except for the DES3.key

1.2 Compatible Hardware

CANalyst-II



1.3 CAN-Bus Connection

Connections	
CAN1, Pin H	Can High, Orange
CAN1, Pin S	Can Shield/Ground, Blue
CAN1, Pin L	Can Low, Violet
CAN1, Pin H	—
CAN1, Pin G	—
CAN1, Pin L	—

1.4 CAN-Bus Termination Switches · TBD

## 2 Get the Software

### 2.1 Preparation

There is no need to install the software. Simply copy these files to any folder you like:

- CAN-Bus Reader Configuration.exe
- ControlCAN.dll
- Des3.key

Note: The file “Des3.key” is only to eliminate error messages on start. If you click in section “ENCRYPTION CONFIGURATION” on button “SET IN PC SW” this file is automatically created or update.

### 2.2 Important Note

This configuration software is in an early stage of development. Please note the following functions are not supported:

- Menu does not function.
- Changed settings are not stored, except for the DES3.key

### 3 Software Operation

Software starts with a working example configuration:

The screenshot shows the 'CANBUS READER CONFIGURATION' window with the following sections:

- CAN CONNECTION PARAMETERS:** TYPE: DEV\_USBCAN, INDEX NO.: 0, CAN Channel: 0, CAN Speed: 250kpbs, Address: 1BC00036. Buttons: CONNECT, ACTIVE CAN, RESET CAN.
- ENCRYPTION CONFIGURATION:** SET 3DES KEY: FF. Buttons: SET IN PC SW, STORE IN RFID DEVICE.
- GET INFORMATION FROM RFID DEVICE:** GET CAN FW INFO, GET RFID FW INFO.
- CONFIGURATION:** KEY Setting: 0D, KEY Numbers: 03, Application ID: EFCDAB, APP MasterKey No.: 00, APP Masterkey: 766B466545394C4B405F3D3D3337745A, COM. SET: 00, Access rights: 0010, File Size: 1000, File ID: 08, File AccessKey No.: 01, File AccessKey: 5575254A26533F354A5866324234464D. Buttons: SET APP. Accessinfo, SET APP. Nr., SET APP KEY Nr., SET APP KEY, SET FILE INFO Flags, SET FILE Nr., SET FILE KEY Nr., SET FILE KEY.
- CREATE RFID LOCK:** Data: 11223344, WRITE FILE.
- MESSAGE:** CLEAR.

#### 3.1 Prepare CAN Connection

The screenshot shows the 'CANBUS READER CONFIGURATION' window with the 'CAN CONNECTION PARAMETERS' section. The dropdown menus for INDEX NO., CAN Channel, and CAN Speed are open, showing options 0, 1, 2, 3, 0, 1, 250kpbs, and 500kpbs respectively. The other fields and buttons remain the same as in the previous screenshot.

#### 3.2 Open and Activate CAN Connection

The screenshot shows the 'CANBUS READER CONFIGURATION' window with the 'CAN CONNECTION PARAMETERS' section. The 'CONNECT' button is highlighted in blue, indicating it has been clicked. The other fields and buttons remain the same as in the previous screenshots.

#### 3.3 Set 3DES Password and Store to PC · TBD

### 3.4 Change Default Configuration · TBD

**CONFIGURATION**

KEY Setting	<input type="text" value="0D"/>	KEY Numbers	<input type="text" value="03"/>	<input type="button" value="SET APP. Accessinfo"/>
Application ID	<input type="text" value="EFCDAB"/>			<input type="button" value="SET APP. Nr."/>
APP MasterKey No.	<input type="text" value="00"/>			<input type="button" value="SET APP KEY Nr."/>
APP Masterkey	<input type="text" value="766B466545394C4B405F3D3D3337745A"/>			<input type="button" value="SET APP KEY"/>
COM. SET	<input type="text" value="00"/>	Access rights	<input type="text" value="0010"/>	<input type="button" value="SET FILE INFO Flags"/>
File ID	<input type="text" value="08"/>	File Size	<input type="text" value="1000"/>	<input type="button" value="SET FILE Nr."/>
File AccessKey No.	<input type="text" value="01"/>			<input type="button" value="SET FILE KEY Nr."/>
File AccessKey	<input type="text" value="5575254A26533F354A5866324234464D"/>			<input type="button" value="SET FILE KEY"/>

### 3.5 Create RFID Keys

**CREATE RFID LOCK**

Data	<input type="text" value="11223344"/>	<input type="button" value="WRITE FILE"/>
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**MESSAGE**

4      **Revision History**

Version	Date	Notes
0.1	2023-08-29	Initial Draft Version