Setup of PROS CS, XPRO readers with Xsecure credentials and without Xsecure credentials
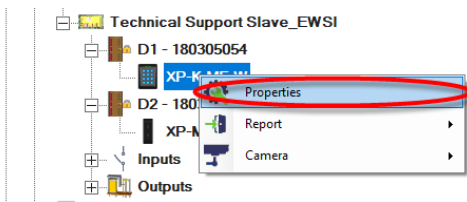
This document describes how to set up the PROS CS, Xpro readers with Xsecure credentials, and Xpro readers without Xsecure credentials.
Required items:

1. XP-K-MF-W / XP-K-MF-W-X
2. XP-K-MFBT-W / XP-K-MFBT-W-X
3. XP-MF-W / XP-MF-W-X
4. XP-MFBT-W / XP-MFBT-W-X
5. XPM-MF-W / XPM-MF-W-X
6. XPM-MFBT-W / XPM-MFBT-W-X
7. Latest version of PROS CS Software
8. USB C-type cable (optional). Make sure the cable supports data transfer. If the PC cannot establish a connection with the reader, change the cable.
9. PROX-USB-X desktop reader PROX-USB-X (not mandatory).
10. Xsecure and Mifare DESFire cards or fobs.
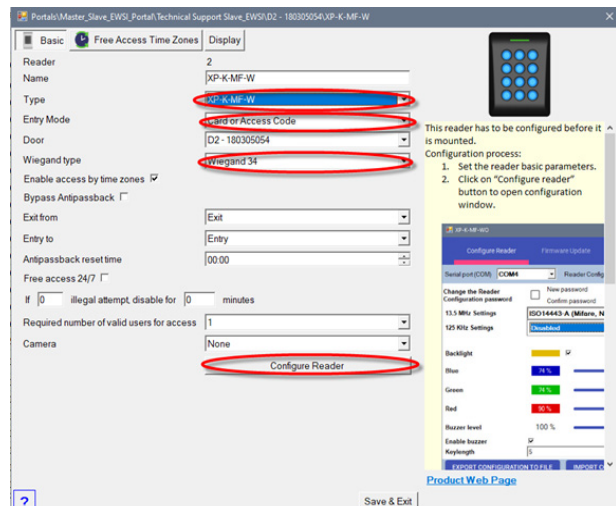11. A separate Mifare DESFire card if you want to configure the reader with a card.

1. CONFIGURING THE XPRO READERS TO PROS CS

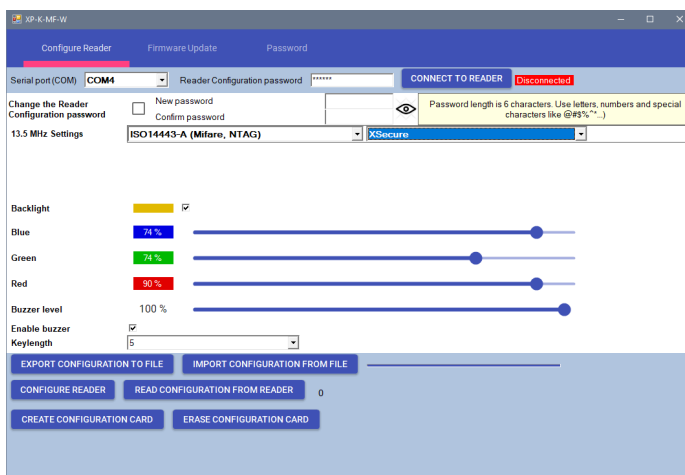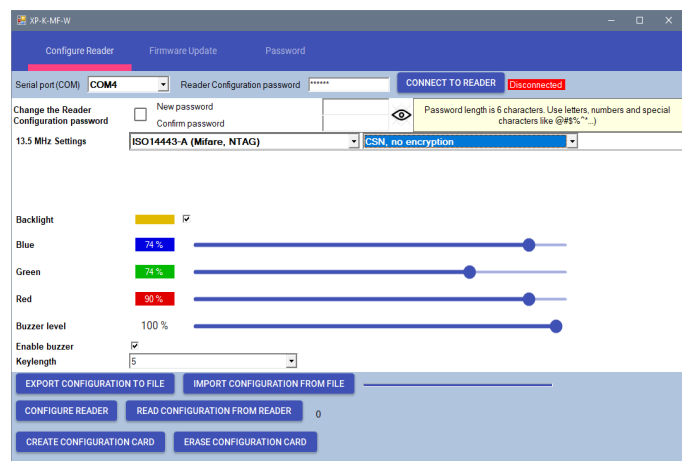**1.1 Right-click the reader and select "Properties".**

1.2.1 Select the correct reader type.
1.2.2 Select the entry mode you need.
1.2.3 Set "Wiegand type" to Wiegand 34.
1.2.4 Click the "Configure Reader" tab.

1.2 Click the "Basic" tab to open the reader configuration if you use a reader with Xsecure.

1.3 Connect the reader to the PC using a micro-USB cable. If the reader is recognised by the PC, the "Serial Port (COM)" field will show the communication port where the reader is connected, like "COM4". If there is no value in the "Serial Port (COM)" field, change the USB cable.

1.4 If you use a reader with Xsecure, select "ISO 14443-A (Mifare, NTAG)" and then select "Xsecure".

1.5 If you use a reader without Xsecure, select "ISO 14443-A (Mifare, NTAG)" and then select "CSN, no encryption".

1.6 If a micro-USB is used for configuring the reader, click the "Configure Reader" tab.
1.7 To configure the reader with a card:

      1.7.1 Connect the desktop reader PROX-USB-X to the PC.
      1.7.2 Place a blank Mifare DESFire card on the desktop reader.
      1.7.3 Click the "Create Configuration card" tab to write the configuration on the card.
      1.7.4 Power ON the reader by 12 V or USB.
      1.7.5 Keep the configuration card for 5 to 10 seconds on the reader until you hear a short and long beep. After this, the reader is configured.
      1.7.6 If you have more readers with the same configuration, just use the same configuration card for all readers.
      1.7.7 If the card cannot be written, try to erase the card with the "ERASE CONFIG CARD" tab.

1.8 Mount the reader and connect it to the Controller.

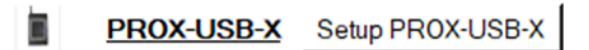## 2. ASSIGNING THE XSECURE CREDENTIAL TO A USER MANUALLY

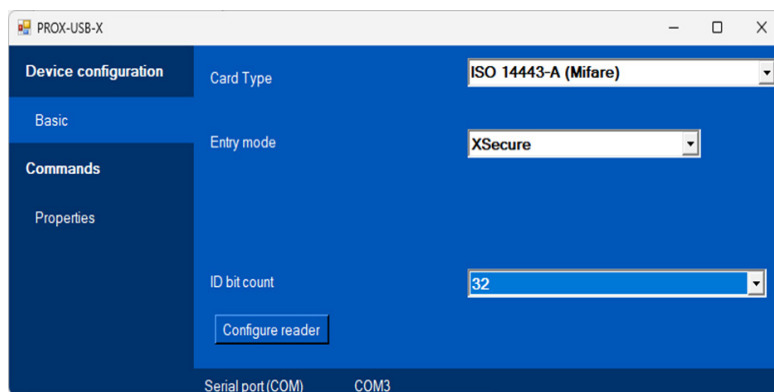In the "User ID (Card number)" field, enter the first number from the Xsecure card.

3.ASSIGNING THE XSECURE CREDENTIAL TO A USER WITH THE DESKTOP READER PROX-USB-X

3.1 Configure the desktop reader PROX-USB-X to read the Xsecure credentials.
3.1.1 Connect the desktop reader PROX-USB-X to the PC.
3.1.2 Open the "Users" management window.
3.1.3 Click the "Setup PROX-USB-X" tab.

3.1.4 Set the values as in the image below and click the "Configure reader" tab. Now the reader will read Xsecure credentials.

3.2 Read the card with the desktop reader.
3.2.1 Place the card on the PROX-USB-X desktop reader and click the "Get card ID" icon. The Xsecure ID will be written in the "User ID" field.
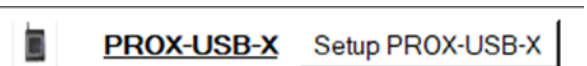

4. ASSIGNING THE MIFARE CREDENTIAL TO A USER WITH THE DESKTOP READER PROX-USB-X

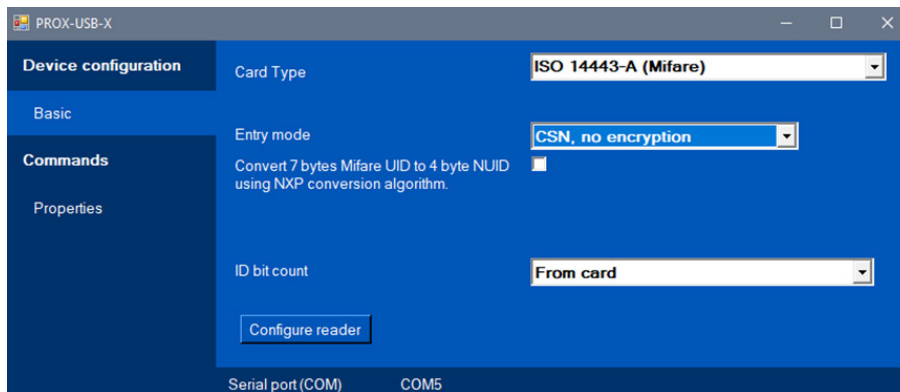4.1 Configure the desktop reader PROX-USB-X to read Mifare credentials.
4.1.1 Connect the desktop reader PROX-USB-X to the PC.
4.1.2 Open the "Users" management window.
4.1.3 Click the "Setup PROX-USB-X" tab.

4.1.4 Set the values as in the image below and click the "Configure reader" tab. Now the reader will read Mifare credentials.

4.2 Read the card with the desktop reader.
4.2.1 Place the card on the PROX-USB-X desktop reader and click the "Get card ID" icon.
4.2.2 The Mifare ID will be written in the "User ID" field.