

Setup of the Xpro readers with Xsecure credentials and Xpro readers without Xsecure credentials to the WS4

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This document describes how to set up the Xpro readers with Xsecure credentials, and Xpro readers without Xsecure credentials to the WS4..

Required items:

1. XP-K-MF-RS / XP-K-MF-RS-X
2. XP-K-MFBT-RS / XP-K-MFBT-RS-X
3. XP-MF-RS / XP-MF-RS-X
4. XP-MFBT-RS / XP-MFBT-RS-X
5. XPM-MF-RS / XPM-MF-RS-X
6. XPM-MFBT-RS / XPM-MFBT-RS -X
7. Product Manager WS4. Product Manager WS4 software will be delivered upon request.
Contact us at info@xprgroup.com
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 - XPR Group (optional).
10. Xsecure and Mifare DESFire cards or fobs.



11. A separate Mifare DESFire card if you want to configure the reader with a card.





Note: The readers are already configured with the required settings. If the reader was not re-configured, you can skip this step and go to step 4 (Adding readers to the WS4 controller) below.

1.1 Install the Product Manager WS4 software.

1.2 Run the Product Manager WS4.

1.3 Select the "XPRO readers" Group if you have a reader with Xsecure encryption.

1.4 Click the "OPEN" tab.





1.5 Select the "XPRO readers" group if you have a reader without Xsecure encryption. 1.6 Click the "OPEN" tab.

Serial port (COM)	COM4	-

1.7 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.

2. CONFIGURING A READER TO READ XSECURE CREDENTIALS

XP-K-MF-RS PRODUCT MANAGER WS4 2.1.12.0
CONFIGURATION PASSWORD FIRMWARE UPDATE
Serial port (COM) COMM Reader Configuration password CONNECT TO THE READER Disconnected
Interface VALUES A SET THE WS4 DEFAULT
Change the Reader Configuration password Confirm the password Confirm the password length is 6-tharaders. Use letters, numbers and special characters like @PSX**)
13.5 MHz Protocol Reverse the ID bytes order (MSB first)
Reject configuration card Backlight Bute 100% 100
Green 100% 100 - Red 100% 100 -
Buzzer level 50% 50 - Display name (XP+KMFRS
SAVE CONFIGURATION LOAD THE CONFIGURATION FROM THE FILE
UPDATE LOAD THE CONFIGURATION FROM THE READER 0
CREATE CONFIGURATION CARD FORMAT CARD
Sanial Maximus ADI Klohal Grain



 $\overline{\mathsf{CE}}$

3. CONFIGURING A READER TO READ MIFARE CSN

terface WS4	SET THE WS4			
hange the Reader	11601	ES		
Configuration password	Vew password Confirm the password		The password length is 6 characters. Use let characters like @#\$%"	ers, numbers and special *)
9501	4443-A(Mifare, NTAG)			
13.5 MHz Protocol	no encryption			
	everse the ID bytes order (MSB first)			
Reject configuration card		_		
Backlight				
Blue	100%	100 •		
Green	100%	100 •		
Red 50%	100%	100 •		

3.1 Click the "Connect to the reader" tab.
3.2 Set the Interface to "WS4".
3.3 Set the 13.5 MHz protocol to "ISO14443-A (Mifare, NTAG)".
2.4 Set the ID type to "CSN" as energyption".

3.4 Set the ID type to "CSN, no encryption".3.5 Click the "Update" tab to configure the reader.

3.6 Mount the reader and connect it to the Controller.

4. ADDING READERS TO THE WS4 CONTROLLER

4.1 Go to the section "Doors" on the main screen of WS4 and select the available address where the reader will be configured.

XP-K-MF-RS Rea	ader Entry/Exit 🍵 🗄
CENERAL [0:3] ? Name of the access : Group : CP-K-MF-RS Reader Entry/Exit 0 Type of access :	Door contact (2) Type : Not connected ~
Door Access with 1 reader Location : Lock time : Neutral Value 3 sec. 3 sec. Toggle mode Anli-passback (APB) Interlock Manage an elevator Unlock if emergency	FREE & FORENDEN PERIODS ⑦ Free periods: ~ Folidden periods: ~
FREE OUTPUT PUSH BUTTON ? Active period : ? 24th a day, 7d a week ~ Record 'free output' events *	
READER A (?) Cability: on LB2, reader at address 0 (jumper opened) Card: Card: No v Keypad: No v Variation 125kHz (EM4100) V No Vegand (Rev dev) Vegand (Rev dev) No Wegand (Rev) Vegand (Rev dev)	
Bar code Acce Dallas Timed Anti-passback	10 XPR 01040



4.2 A new window will pop up.

4.3 Type the name of the access (entry, exit, main building, etc.).

4.4 For the card type, select "Mifare/DESFire".

4.5 If you use a keypad, check the "Keypad" box.



4.6 Click the "Save" tab.





5. ASSIGNING THE XSECURE CREDENTIAL TO A USER MANUALLY

In the "Card 1" or "Card 2" field, enter the first number from the Xsecure card.





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

• To read an Xsecure card, click the "Card 1" field, place the Xsecure card on the PROX-USB-X desktop reader and the Xsecure ID will be written in the "Card 1" field.

Identifiers	?
Card 1 :	
45667899	

• If the Xsecure number is not written, do the Desktop reader setup as described in the next section.

7. DESKTOP READER SETUP (XSECURE)

Reader	COM3, Firmware: 2.21, Xsecure		
	Reading configuration		
Card type	ISO 14443-A (Mifare)	~	
Desfire encryption	XSecure	~	
trip trailing bits count	0 ~		
) bits count	From card	Ý	
Reverse ID bytes order			
Update reader	Load configuration from reader		
lee Numerie keuned fer sumber	Keypad configuration		
se Numeric keypad for number			
Type card number as	Decimal number	~	
Type ID with	As readed from card	~	
Type key after card number	None	~	
Update reader	Load keypad configuration from read	er	
	Custom Mifare		_
Application ID (000001 - FFFFFF	010000		5
	000000000000000000000000000000000000000		5
Application Key			
Application Key Key number	0 ~		
Application Key Key number	0 ~ 0 ~		
Application Key Key number File ID	0 ~ 0 ~ 0 ~		
Application Key Key number File ID Dffset (0 - 255 Decimal)	0 ~ 0 ~ 4 ~		
Application Key Key number File ID D#set (0 - 255 Decimal) .ength	0 ~ 0 ~ 4 ~		
Application Key File ID Dflset (0 - 255 Decimal) ength Update reader	0 ~ 0 ~ 4 ~		
key number File ID Offset (0 - 255 Decimal) Length Update reader			

7.1 Download and run "PROX-USB-X Configurator" from XPR Group. Downloads. The software runs on Windows OS. 7.2 Connect the desktop reader to the PC.

7.3 Set the values as given in the image below.

7.4 Click the "Update reader" tab under "Reading configuration".

7.5 Click the "Update reader" tab under "Keypad configuration".



8. ASSIGNING THE MIFARE CREDENTIAL TO A USER MANUALLY

General	Categories (?)
Full name :	Category 1 :
	NO ACCESS ~
First name :	Category 2 :
	NO ACCESS ~
Department :	Category 3 :
	NO ACCESS ~
Position held :	
	IDENTIFIERS (?
E-mail :	Card 1:
Phone :	Code in Wiegand 26 bit:
	Caro 2 :
Disabled	Code in Wienand 26 hit
This uses can ask as uladas alarma	PIN code :
This user can acknowledge alarms	
Validity	Fincerprints
Always valid	Fingers enrolled: 0 Details V
From : 00:00 ~	How can the user delete his own fogerprints?

In the "Card 1" or "Card 2" field, enter the number from the Mifare DESFire card if it is printed.

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

• To read a Mifare DESFire card, click the "Card 1" field, place the card on the PROX-USB-X desktop reader and the Mifare ID will be written in the "Card 1" field.

• If the Mifare number is not written, do the Desktop reader setup as described in the next section.

10. DESKTOP READER SETUP (MIFARE CSN)

Identifiers	?
Card 1 :	
36066044360153092	

PROX-USB-X Configurator 1.0.0.0		×
Reader	COM3, Firmware: 2.21, Xsecure	
	Reading configuration	
Card type	ISO 14443-A (Mifare)	~
Desfire encryption	No encryption, use built in ID (CSN)	~
Strip trailing bits count	0 🗸	
ID bits count	From card	~
Reverse ID bytes order		
Update reader	Load configuration from reader	
	Keypad configuration	
Use Numeric keypad for numbers		
Type card number as	Decimal number	~
Type ID with	As readed from card	~
Type key after card number	None	~
Update reader	Load keypad configuration from reader	
	Custom Mifare	
Application ID (000001 - FFFFFF)	010000	Ø
Application Key	000000000000000000000000000000000000000	ø
Key number	0 ~	
File ID	0 ~	
Offset (0 - 255 Decimal)	0 ~	
Length	4 ~	
Update reader		
To test the reader, click on the text box at the right and present the card to the reader		

10.1 Download and run "PROX-USB-X Configurator" from XPR Group. Downloads. The software runs on Windows OS.
10.2 Connect the desktop reader to the PC.
10.3 Set the values as given in the image below.

10.4 Click the "Update reader" tab under "Reading configuration".

10.5 Click the "Update reader" tab under "Keypad configuration".

