



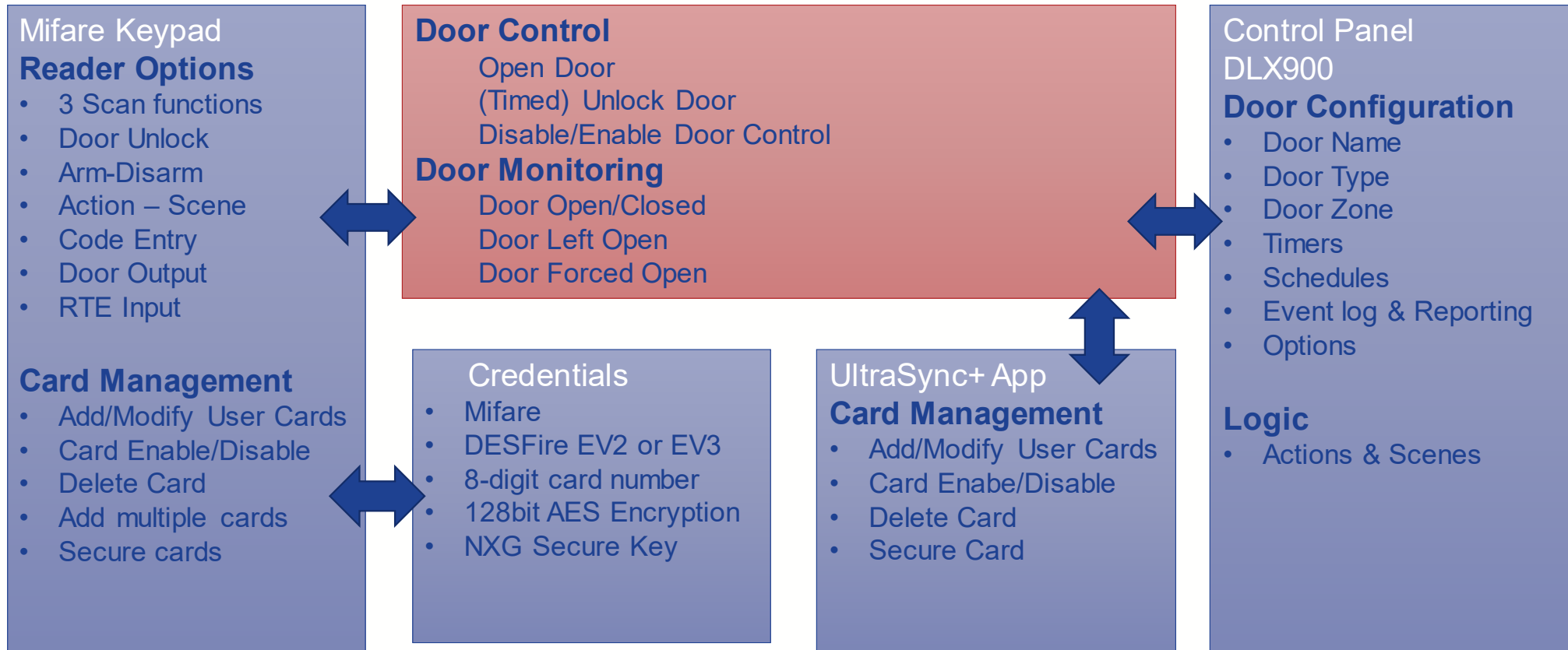
# NetworXConnect Door Access

## Door Access – Overview

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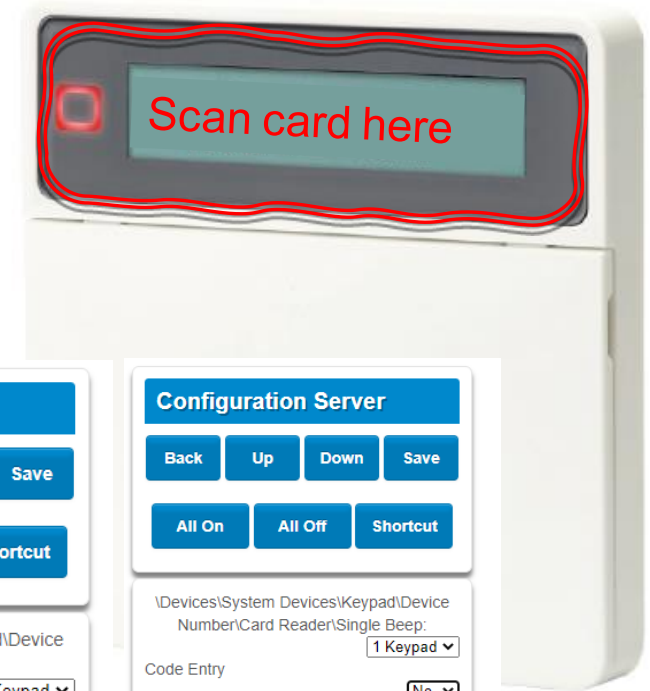
- Allow NetworXConnect users to Monitor & Control up to 16 doors locally and remotely
- Introduction of new keypad variants with integrated mifare reader
- Introduction of new mifare credentials DESFire EV2 4K
- Not supported by legacy NX keypads and NXG-1820-EUR keypad

# Door Access - Concept



# Door Access – Mifare Keypad NXG-1832/33-EUR

- Includes secure Mifare card reader
- Input and O.C Output
- Up to 3 card swipe functions combining access, security and home comfort features
- Audible indication for door left open and door forced



Configuration Server

Back Up Down Save

All On All Off Shortcut

\Devices\System Devices\Keypad\Device Number: 1 Keypad

Device UID (Serial)  
Name  
Details  
Options  
Permission 1  
Schedule 1  
Permission 2  
Schedule 2  
Idle Timer [10-240]  
Display  
Key backlight  
Sound  
Function keys  
Language  
**Card Reader**  
Input  
Default this device

Configuration Server

Back Up Down Save

All On All Off Shortcut

\Devices\System Devices\Keypad\Device Number\Card Reader:  
Single Beep  
Double Beep  
Triple Beep

Configuration Server

Back Up Down Save

All On All Off Shortcut

\Devices\System Devices\Keypad\Device Number\Card Reader\Single Beep: 1 Keypad

Code Entry No

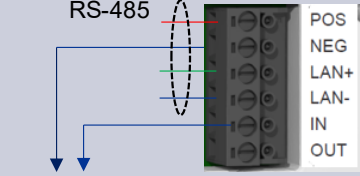
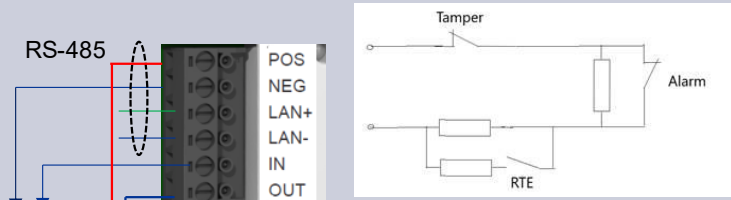
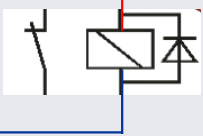
Door Unlock Yes

Arm-Disarm None

Action Number Default

Scene Number Disabled

# Door Access – Keypad I/O

	NXG-1830/31	NXG-1832/33 mifare keypad
Input	<p><b>Intrusion zone</b></p>  <p>Sensor (3K3, 4K7, 4K1 EOL)</p>	<p><b>Door zone</b></p>  <p>Door Contact + RTE Zone 3x 3K3</p>
RTE Output	n.a.	<p>Door Lock</p> 

Note! Any system input and output can be used as Door Zone and Door Output

## Door Access – Credentials

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- Mifare DESFire EV2
- Card data secured with NXG key
- 128bit AES Encryption
- 8-digit card number
- Different card variants
- 5-pack



NXG-1801-5



NXG-1802-5



NXG-1803-5



NXG-1804-5



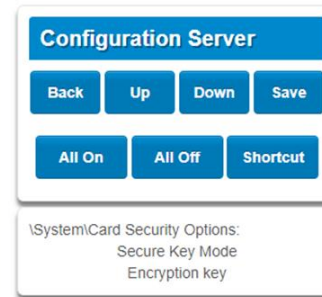
NXG-1805-5

# Door Access – Card Security and Card Management

- Unique key with each panel
- Option to overwrite key for multi-site access

## Keypad User card functions

- Add/Modify card
  - ✓ Adding card to single existing user
  - ✓ Automatically securing card
  - ✓ Change card number
- Add multiple cards
  - ✓ Adding card to all existing users, auto-increment
  - ✓ Automatically securing card
- Card enable/disable
  - ✓ Temporarily disable/enable a card
- Delete card
- Secure cards
  - ✓ transfer secure key to card
  - ✓ Read card details (ID, status, assigned user)



NXG Key



Mifare reader

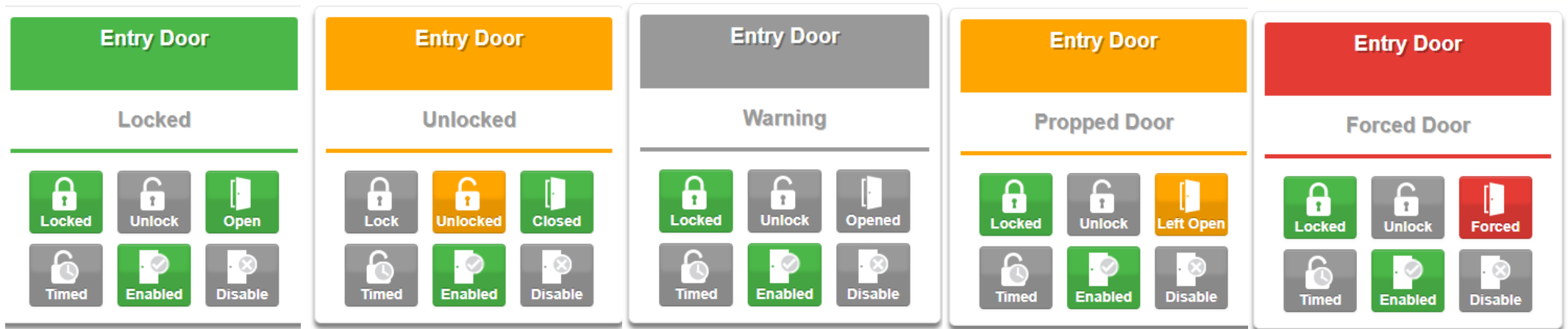


Secure card



## Door Access – User Menu

- Door Control : Open, Unlock, Timed Unlock, Lock, Disable/Enable
- Visual support for different door status conditions on panel web pages and App



- Door status and control from NXG-183xx keypad in User menu \Security\Doors



# Door Access – Control Panel Basic Settings

- New menu **Doors & Door Groups**
- **Basic** configuration options

- ✓ Door Name
- ✓ Door Type

\Doors\Door Number: 1 Office Front Door

Door Type: Lock + Forced + Shunt

- Disabled
- Lock
- Lock + Shunt
- Lock + Shunt + DOTL
- Lock + Forced
- Lock + Forced + Shunt
- Lock + Forced + Shunt + DOTL

- ✓ Door Zone (also required if door contact wired to keypad)
- ✓ RTE Zone
- ✓ Door Timers
  - Door Unlock Time : time door relay/output switches
  - Door Zone Shunt : time door can stay open
  - Door Warning : amount of time remaining before shunt expires and local keypad sounds

Select Menu:

- Users
- System
- Zones
- Partitions
- Channels
- Communicator
- Schedules
- Actions
- Arm-Disarm
- Devices
- Permissions
- Partition Groups
- Menus
- Holidays
- Zone Types
- Zone Options
- Event Lists
- Channel Groups
- Action Groups
- Scenes
- Cameras
- UltraSync
- Doors
- Door Groups

Basic

Settings Selector

Doors

Save

Select Door to Configure: 1 Entry Door

Door Name: Entry Door

Select Door Type: Lock + Forced + Shunt + DLO

Select Door Inputs:

Door Zone: 8 Zone

RTE Zone: 7 Zone

Door Timers:

Door Unlock Time [3-20] Seconds: 5

Door Zone Shunt [0-255] Seconds: 60

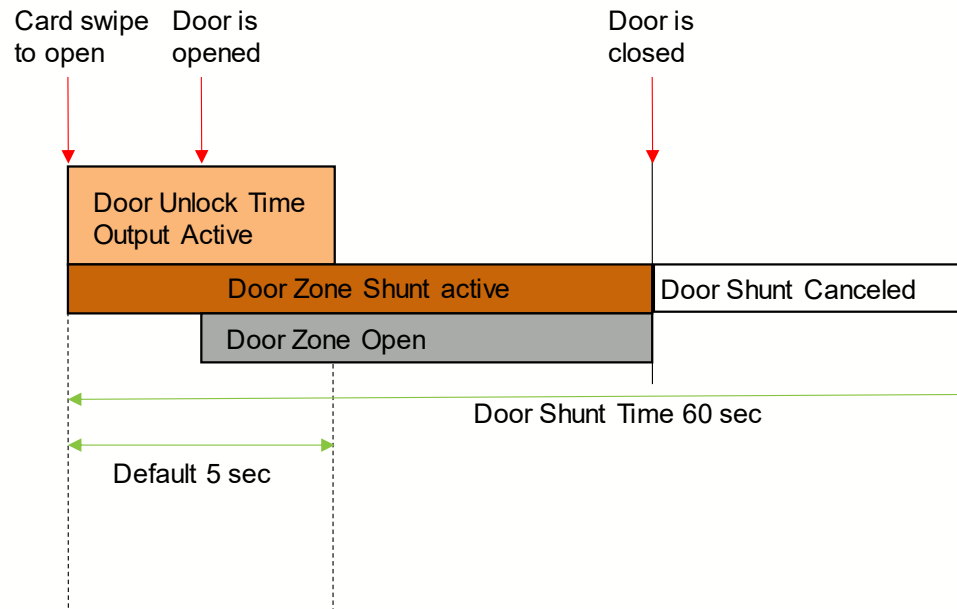
Door Zone Warning [0-255] Seconds: 15

Door Options:

- Door Forced Reporting
- Door Left Open Reporting
- Log Door Access
- Mag Lock

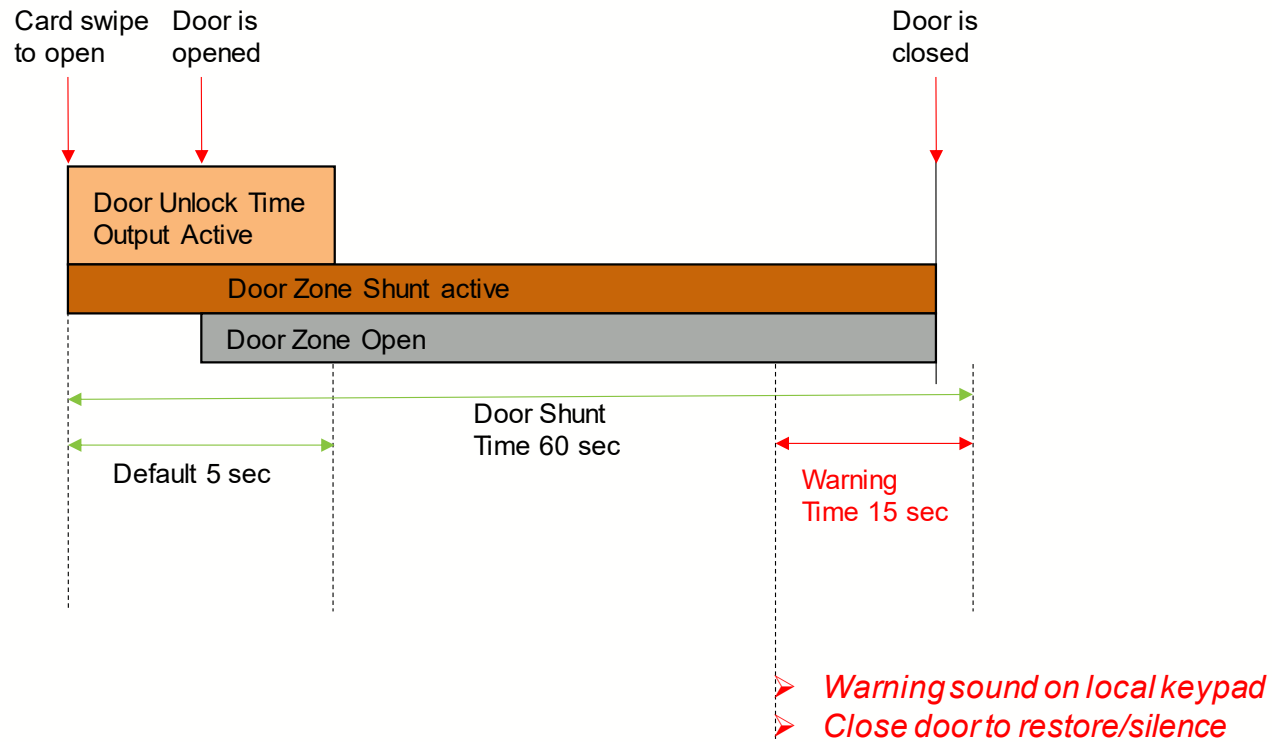
# Door Access – Door supervision

- Normal



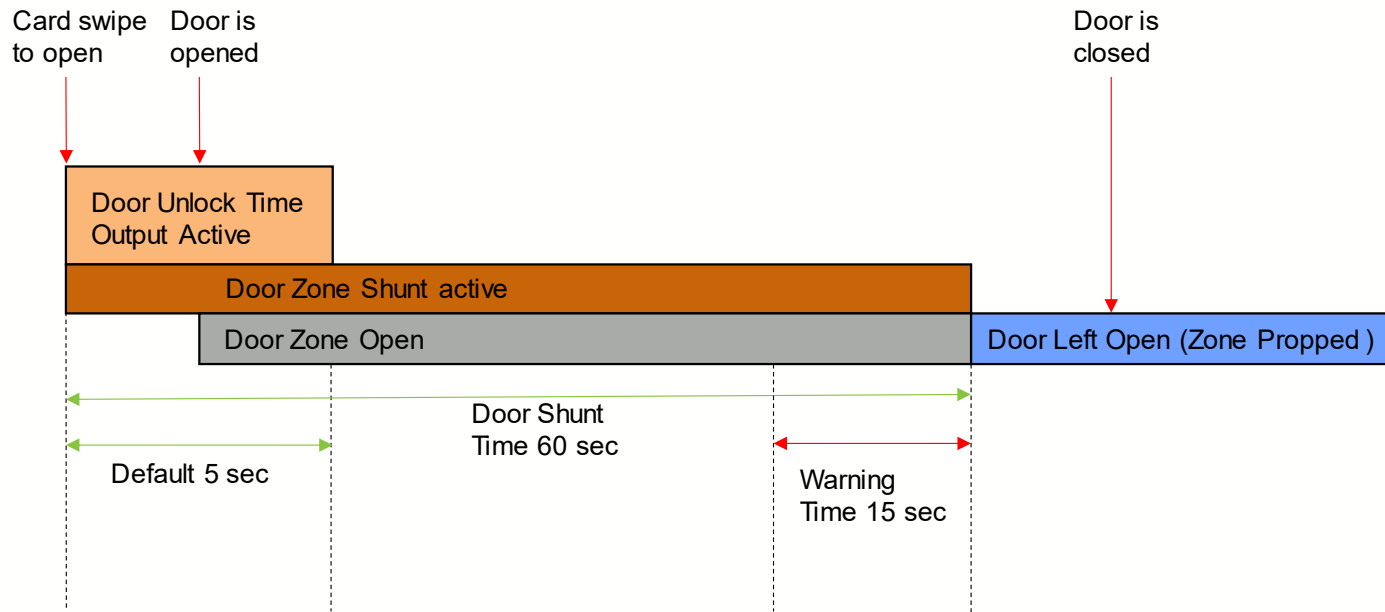
# Door Access – Door supervision

- Warning



# Door Access – Door supervision

- Door Left Open (DLO)**



➤ *Partition Door Fault DLO*  
 ➤ *Code entry to restore*  
 ➤ *Report to CMS optional*

Event Filter: Access Events

⏪ ⏩

Door Left Open Restore\*\*  
 Zone 8  
 Entry Door  
 Partition 1  
 Time: 04:34:51 PM  
 Date: 9 Aug 2021

Door Closed\*\*  
 Entry Door  
 Time: 04:34:51 PM  
 Date: 9 Aug 2021

Door Left Open\*\*  
 Zone 8  
 Entry Door  
 Partition 1  
 Time: 04:34:21 PM  
 Date: 9 Aug 2021

Door Opened\*\*  
 Entry Door  
 Time: 04:33:24 PM  
 Date: 9 Aug 2021

Door Accessed\*\*  
 Entry Door  
 User 1  
 Time: 04:33:21 PM  
 Date: 9 Aug 2021

# Door Access – Door supervision

- **Door Forced**

Door is opened  
w/o door swipe  
w/o Request-To-Exit

Door is  
closed



- *Partition Door Forced*
- *Code entry to restore*
- *Report to CMS*

Event History

Select Date:

Event Filter:

< < > >

Forced Door Restore  
Zone 8  
Entry Door  
Partition 1  
Time: 05:0:43 PM  
Date: 9 Aug 2021

Door Forced  
Zone 8  
Entry Door  
Partition 1  
Time: 05:0:40 PM  
Date: 9 Aug 2021

# Door Access – Control Panel Advanced Settings

- **Advanced** configuration options
  - ✓ Auto Door Unlock Door unlocks by Schedule or Action (\*)
  - ✓ Auto Enable RTE RTE operational by schedule or Action
  - ✓ Door Options Event reporting & logging options
  
- ✓ Partition Group Partition to check i.c.w other options
- ✓ Timers Pre- & Post-lock timers

Advanced

**Configuration Server**

Back Up Down Save

All On All Off Shortcut

\Doors\Door Number: 1 Entry Door ▼

- Door Name
- Door Type
- Door Inputs
- Partition Group
- Timers
- Auto Door Unlock
- Auto Enable RTE
- Door Options

**Configuration Server**

Back Up Down Save

All On All Off Shortcut

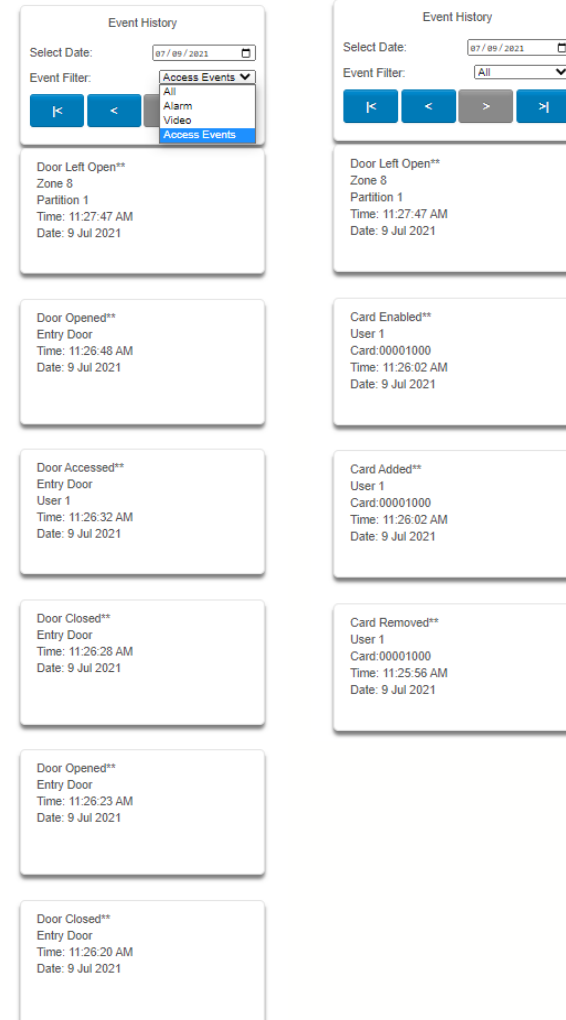
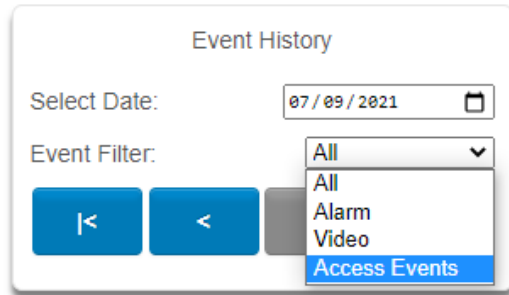
\Doors\Door Number\Door Options: 1 Entry Door ▼

- Door Forced Reporting
- Door Left Open Reporting
- Log Door Access
- Log Door Secure
- Door Zone Shunt Cancel
- No Access if Armed
- Disarm when Armed
- Auto Door Unlock at 1st Entry
- RTE when Fire Alarm
- No Access if Alarm
- Mag Lock
- Log Door Open and Close

(\*)

# Door Access – Control Panel Access log

- New Access event log added to increase log capacity
- Access log can hold +5000 events



# Door Access – Control Panel Actions & Scenes

- New Door Control logic events added under panel menu Scenes & Actions

**Settings Selector**

Scenes

Select Scene to Configure: 1 Scene

Scene Name

Enable App Button

Scene Trigger

Activate Schedule

Activate Event Type

Activate Zone

Action De

Action De

Action De

Disable

Schedule Activated

Schedule Deactivated

Smoke Power Reset

Turn On By User

Turn Off By User

Geosphere 1 Entered

Geosphere 1 Exited

Geosphere 2 Entered

Geosphere 2 Exited

Siren On

Z-Wave Devices (Beta)

Sunrise

Sunset

Camera Motion Detection

Doorbell Camera Button Press

**Door Unlocked**

Door Shunted

Door Warning

Door Disabled

Permanent Unlock

**Door Event Category**

**Configuration Server**

Actions Action Number Event 1:

1 Open Door

Event Type

Door Unlocked

disabled

**Door Unlocked**

Door Shunted

Door Warning

Door Disabled

Permanent Unlock

**Zone Event Category**

**Configuration Server**

Actions Action Number Event 1:

33 Action

Event Type

disabled

disabled

Faulted

Not Faulted

Alarm

Bypass

Tamper

Low Battery

Trouble

Supervision

Chime Enabled

Inhibited

Alarm Memory

Test

Test Fail

Chime Triggered

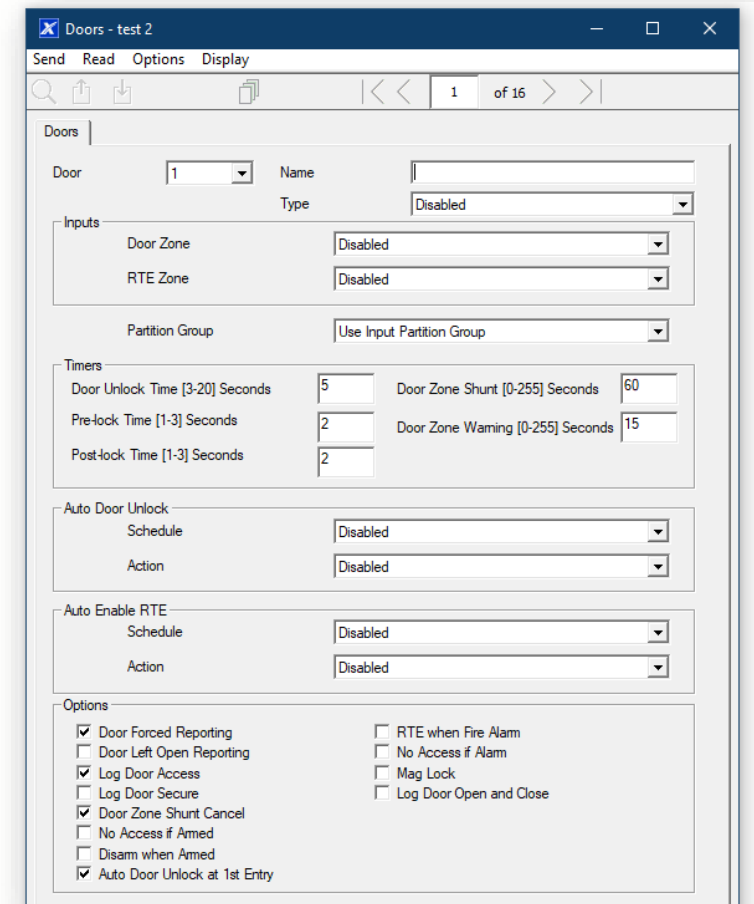
**Door Forced**

Door Left Open



# DLX900 – v5.16.10

- Support for NetworXConnect panel door access features



# DLX900 – v5.16.10

- User card management

## Single view

The 'Single view' interface shows a form for editing a user. The 'User Number' field is set to 1. The 'Name' field contains 'User 1'. The 'PIN' field is set to 1234, and the 'Type' dropdown is set to 'Master'. The 'Language' dropdown is set to 'English (U.K.)'. The 'Partition Group' dropdown is set to 'All Partitions', and the 'Door Group' dropdown is set to 'All Doors'. The 'Card number' field is set to 10020043, and the 'Card Enabled' checkbox is checked.

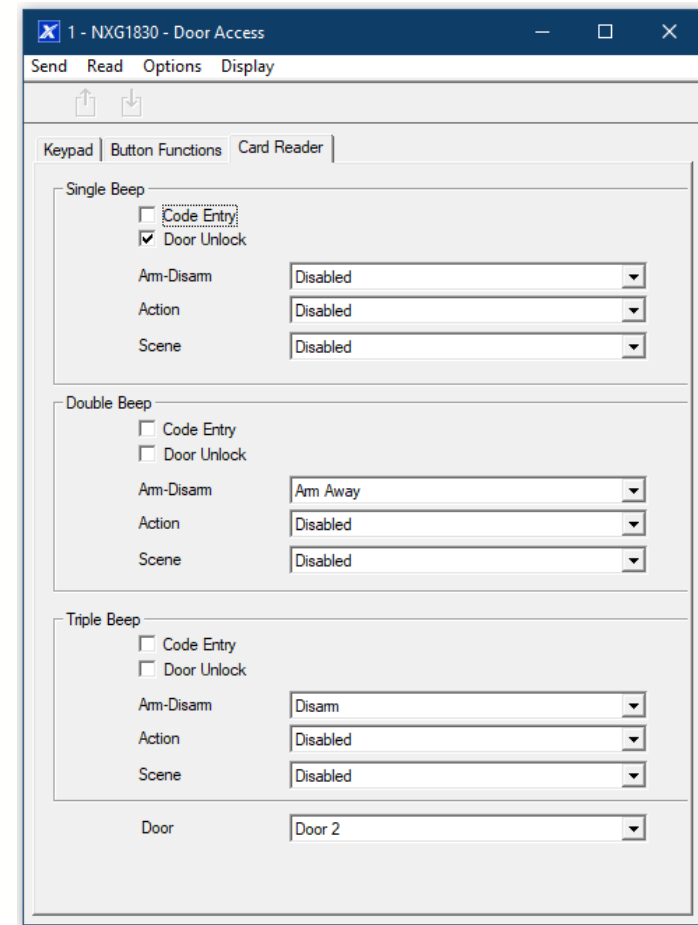
## List view

The 'List view' interface displays a table of users. The table has the following columns: User Number, PIN, First name, Last name, Type, Partition Group, Door Group, Card Number, Enable Card, and Language. The data is as follows:

	User Number	PIN	First name	Last name	Type	Partition Group	Door Group	Card Number	Enable Card	Language
1	1	1234	User 1		Master	All Partitions	All Doors	10020043	<input checked="" type="checkbox"/>	English (U.K.)
2	2	5678	User 2		Standard	All Partitions	All Doors	10020021	<input checked="" type="checkbox"/>	English (U.K.)
3	3	0303	User 3		Standard	All Partitions	All Doors	10020011	<input checked="" type="checkbox"/>	English (U.K.)
4	4	0404	User 4		Standard	All Partitions	All Doors	78478	<input checked="" type="checkbox"/>	English (U.K.)
5	256	971300	installer		Engineer	All Partitions	All Doors	0	<input type="checkbox"/>	Dutch (Belgium)

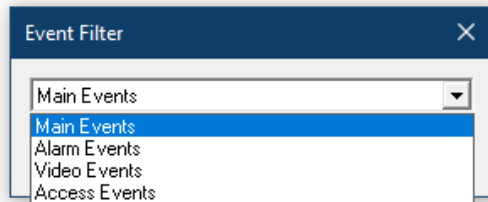
# DLX900 – v5.16.10

- Support for mifare keypads NXG-1832/33-EUR



# DLX900 – v5.16.10

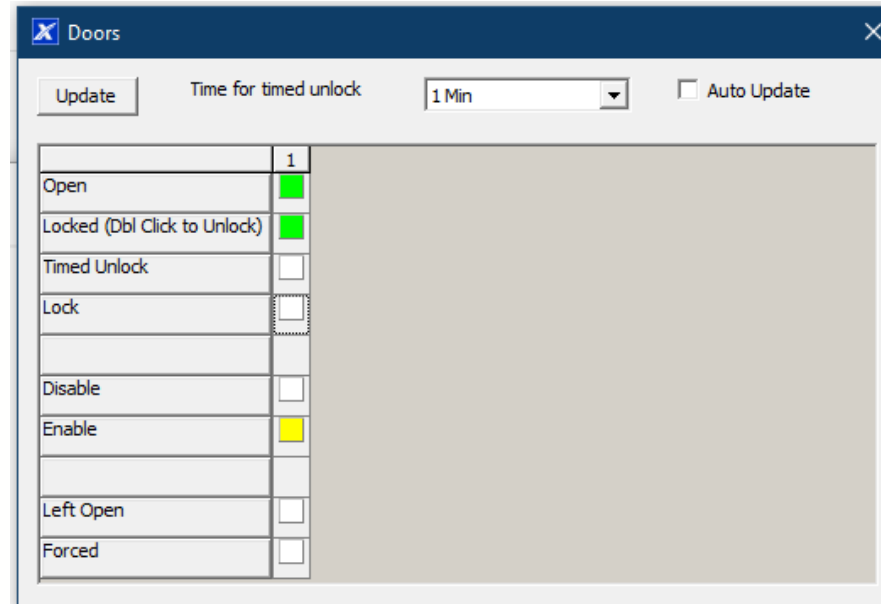
- Event log selection (Main, Alarm, Video, Access)



Event log				
Date/Time	Partition	User	Event	Zone/Door
9/09/2021 10:19:45		User 0	*Invalid Card Format	Card 78478
9/09/2021 10:25:27		User 0	*Card Secured	Card 10020043
9/09/2021 10:25:30		1 - User 1	*Card Added	Card 10020043
9/09/2021 10:25:30		1 - User 1	*Card Enabled	Card 10020043
13/09/2021 9:43:41		User 0	*Invalid Card Format	Card 78478
13/09/2021 9:43:48		User 0	*Invalid Card Format	Card 78478
13/09/2021 11:40:23		User 0	*Invalid Card Format	Card 78478
14/09/2021 19:17:35		2 - User 2	*Card Added	Card 10020021
14/09/2021 19:17:36		2 - User 2	*Card Enabled	Card 10020021
14/09/2021 19:17:40		3 - User 3	*Card Added	Card 10020011
14/09/2021 19:17:40		3 - User 3	*Card Enabled	Card 10020011
14/09/2021 19:17:46		User 0	*Card Secured	Card 78478
14/09/2021 19:17:46		4 - User 4	*Card Added	Card 78478
14/09/2021 19:17:46		4 - User 4	*Card Enabled	Card 78478
14/09/2021 19:26:09	0	4 - User 4	*Door Accessed	Door 1
14/09/2021 19:26:20	0	4 - User 4	*Door Accessed	Door 2
14/09/2021 19:26:23	1: Partition 1	User 0	Door Forced	8: Zone 8
14/09/2021 19:26:26	1: Partition 1	User 0	Forced Door Restore	8: Zone 8
14/09/2021 19:26:59	0	4 - User 4	*Door Accessed	Door 2
14/09/2021 19:27:04	1: Partition 1	User 0	Door Forced	8: Zone 8
14/09/2021 19:27:27	1: Partition 1	User 0	Forced Door Restore	8: Zone 8
14/09/2021 19:29:34	0	1 - User 1	*Door Accessed	Door 2
14/09/2021 19:31:27	0	2 - User 2	*Door Accessed	Door 2
14/09/2021 19:31:35	0	2 - User 2	*Door Accessed	Door 1
14/09/2021 19:31:42	0	2 - User 2	*Door Accessed	Door 2
14/09/2021 19:31:49	0	2 - User 2	*Door Accessed	Door 1
14/09/2021 19:31:52	0	User 0	*Door Opened	Door 1
14/09/2021 19:31:56	0	User 0	*Door Closed	Door 1
14/09/2021 19:32:01	0	3 - User 3	*Door Accessed	Door 2
14/09/2021 19:32:07	0	3 - User 3	*Door Accessed	Door 1

# DLX900 – v5.16.10

- Remote Door Control & Monitoring



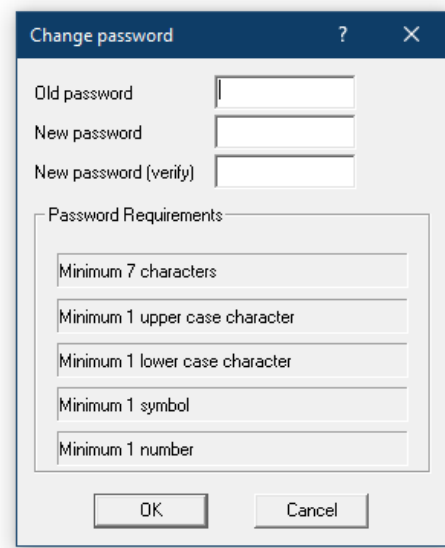
# DLX900 – v5.16.10

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- Other improvements

Fix for remote bypass

Updated User password requirements

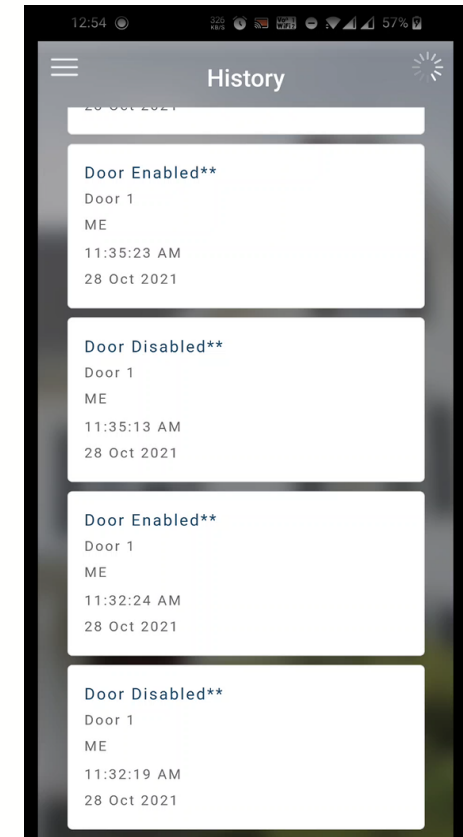
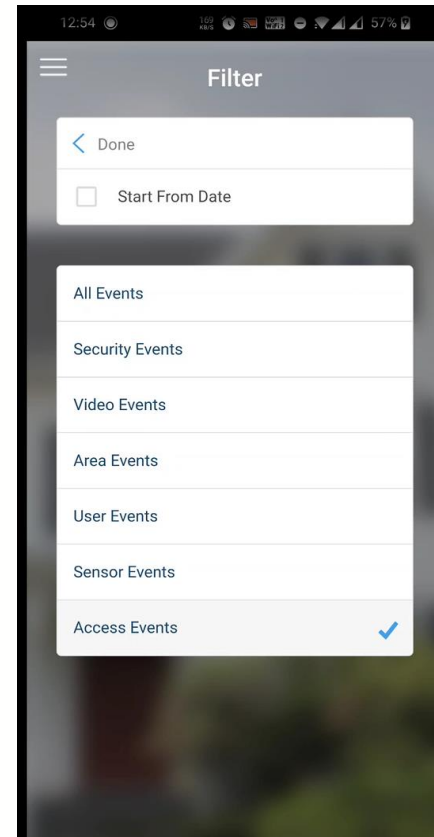
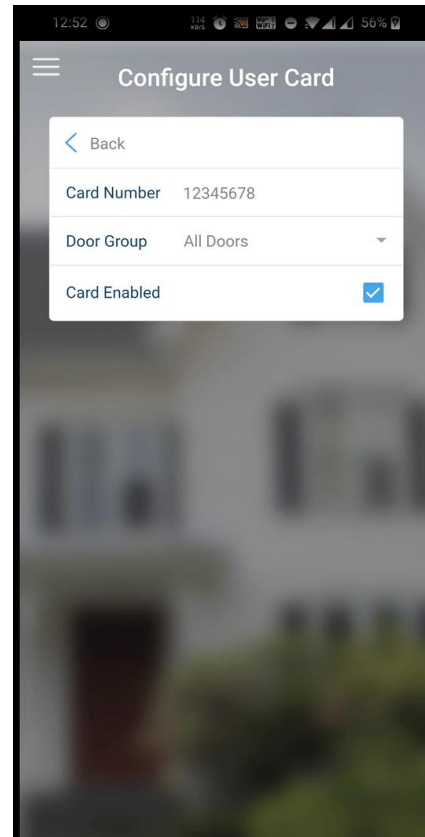
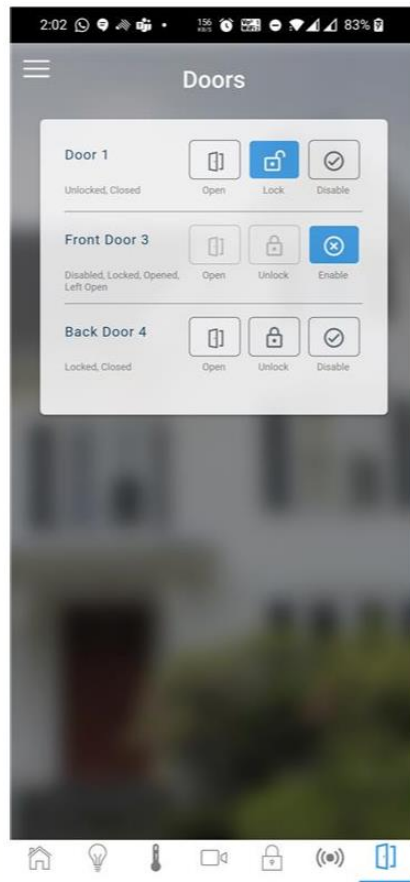


The screenshot shows a 'Change password' dialog box with the following fields and requirements:

- Old password
- New password
- New password (verify)
- Password Requirements:
  - Minimum 7 characters
  - Minimum 1 upper case character
  - Minimum 1 lower case character
  - Minimum 1 symbol
  - Minimum 1 number

Buttons: OK, Cancel

# Door Access – UltraSync+ App



**NetworX**  
CONNECT



ultraSync  
Empowered

MIFARE

# Thank you for your attention!

**Lobeco**  
FIRE + SECURITY

*We make it work.*

🇳🇱 Taco Scheltemastraat 5 | 2597 CP Den Haag | Tel.: +31 (0)70 - 314 314 3 | [info@lobeco.nl](mailto:info@lobeco.nl) | [www.lobeco.nl](http://www.lobeco.nl)

🇧🇪 Vliegveld 37 | 8560 Wevelgem | Tel.: +32 (0)56 78 20 20 | [info@lobeco.be](mailto:info@lobeco.be) | [www.lobeco.be](http://www.lobeco.be)