

M•LOCKS

MLS Manager

Software
V02 EN



M•LOCKS BV

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MANUAL MLS MANAGER

INSTALLATION

- 1 MLS Manager software
- 2 Open the MLS Manager software
- EM2050, EM3050 AND EM3550**
- 3 Start a new lock configuration
- 4 Configure the users
- 5 Configure the user options
- 6 EM3050 special configuration options
- 7 Write a Setup key
- 8 Programming the lock
- 9 Audit EM2050, EM3050 and EM3550
- 10 Extra

REVOBOLT / TANTUM

- 11 Audit RevoBolt and Tantum

INSTALLATION

1 MLS MANAGER SOFTWARE

Download the MLS Manager software and install the program on your PC.

MLS Manager software is designed to properly write an i-button (setup key DS1996L) according to required configuration. The setup key can then be used to quickly setup the EM2050, EM3550 and EM3050 locks from factory to “operational” mode.

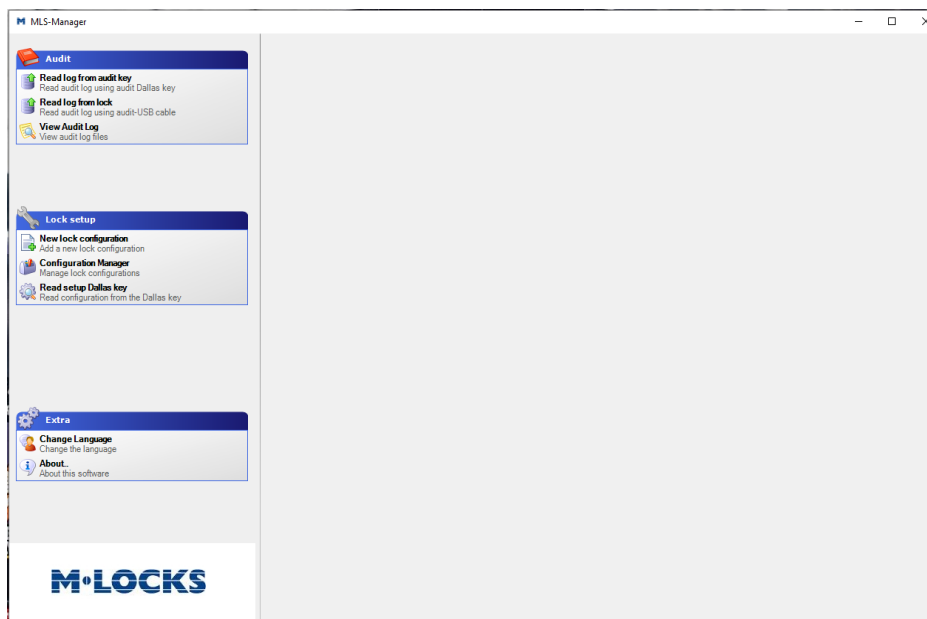
Download the drivers for the Dallas key if they are not installed on your PC yet. The most recent driver versions can be downloaded from:

https://www.maximintegrated.com/en/products/ibutton/software/tmex/download_drivers.cfm

- Before programming the lock, please read the instructions for use carefully.
- If i-button is written in this manual it can also be read as Dallas key.

2 OPEN THE MLS MANAGER SOFTWARE

Open the MLS Manager file on your PC.

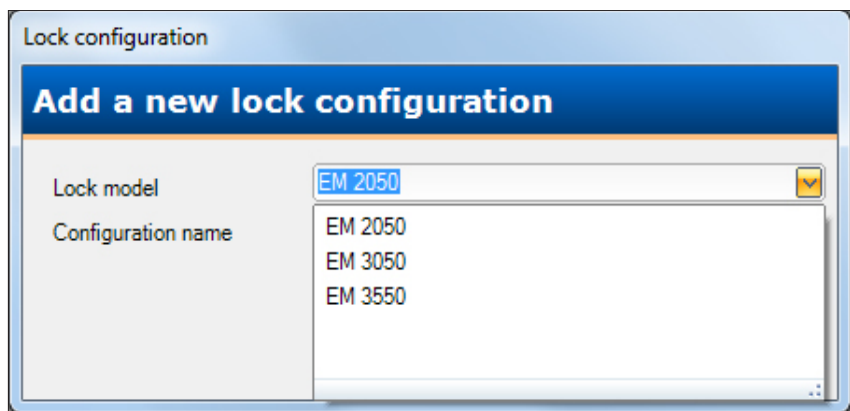
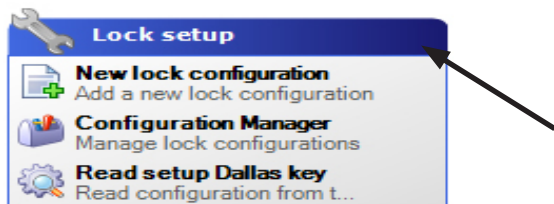


If you have a RevoBolt or Tantum lock, please continue at point 11 on page 10.

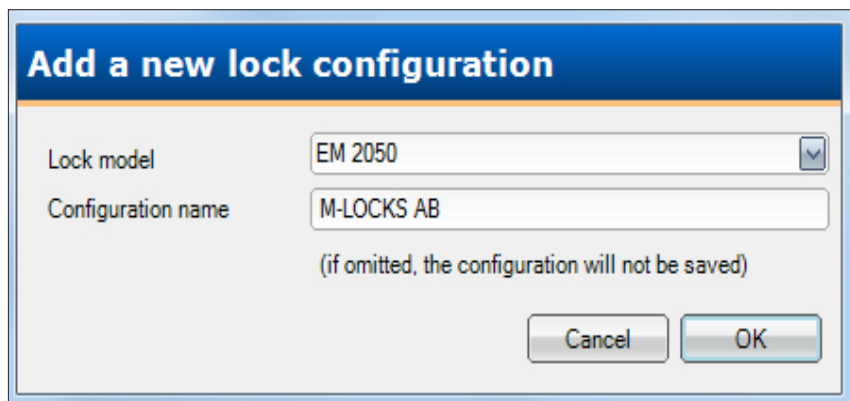
EM2050, EM3050 AND EM3550

3 START A NEW LOCK CONFIGURATION

To start a new lock configuration select “New lock configuration” and choose the type of lock you want to configure.



To save this configuration, give the configuration a name. The configuration can be used later to easily write more i-buttons. If you don't want to save this configuration, leave this field open. Select OK.



4 CONFIGURE THE USERS

Users

	Installed	Dual Mode	Default code
Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	123456
User 1	<input type="checkbox"/>	<input type="checkbox"/>	010101
User 2	<input type="checkbox"/>	<input type="checkbox"/>	020202
User 3	<input type="checkbox"/>	<input type="checkbox"/>	030303
User 4	<input type="checkbox"/>	<input type="checkbox"/>	040404
User 5	<input type="checkbox"/>	<input type="checkbox"/>	050505
User 6	<input type="checkbox"/>	<input type="checkbox"/>	060606
User 7	<input type="checkbox"/>	<input type="checkbox"/>	070707
User 8	<input type="checkbox"/>	<input type="checkbox"/>	080808
User 9	<input type="checkbox"/>	<input checked="" type="checkbox"/>	090909

User 9 avoids time delay (if programmed)

Code Length

6 digits

☒ Activate installed users with default code
☐ Activate dual mode for installed users

Options

☐ Silent alarm
☐ Auditbox

☐ Bolt switch
☐ Auditbox error signal

☒ Activate code length check
 (required for VdS certification)

Program

Save

Installed

Under "Installed" you can select which user you want to install in the lock. Installed users are not automatically active after programming. Users can be activated by the manager. Users that are not installed can not be activated!

Dual Mode

Under "Dual Mode" you can select users who have to open in dual mode. A dual mode user can't open on his own, another user will have to enter his code also to open the lock.

Time delay override

User 9 can override Time Delay and has dual mode as a default. This can be undone by deselecting dual mode.

Activate installed users with default code

When you select "Activate installed users with default code" all installed users will be active after programming with the default code, which appears behind the user when this is selected. When a user is selected as installed the code will turn red.

Activate dual mode for installed users

When you select "Activate dual mode for installed users" all installed users will have dual mode.

Warning! The manager has to be selected separately.

5 CONFIGURE THE USER OPTIONS

Silent alarm

When silent alarm is selected, the lock will send a signal to an alarm interface when the distress code is entered. Also a signal can be sent from the interface to the lock to block the lock remotely.

The distress code is a “normal” valid code, with the last digit + 1. This code works as a valid code.

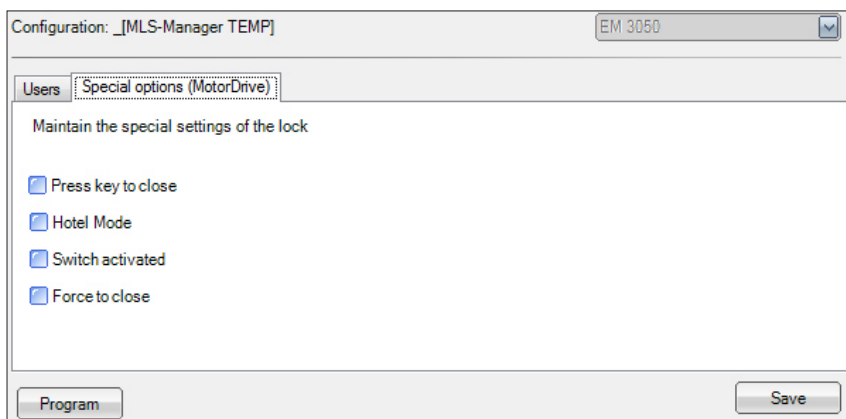
Activate code length check

When selected, the code length will automatically go from 6 to 7 digits when silent alarm and 5 or more users are active. When code length check is deactivated it is possible to program a lock with silent alarm and 5 or more users with a 6 digit code but this will void VdS certification.

6 EM3050 SPECIAL CONFIGURATION OPTIONS

For lock EM3050 there are some extra features.

Select “Special options (MotorDrive)”



Press key to close

By selecting this option, the lock doesn't close automatically after 5 seconds but a random key (except * and #) has to be pushed to close the lock. Selecting this option will void the option "Audit box".

Hotel Mode (EM3054)

Selecting this option gives the opportunity to close the lock by entering a 4 digit code. This 4 digit code will open the lock again. The code can be changed every time the door is open. Activating Hotel Mode will void VdS certification.

Switch activated

The lock will close if a switch, e.g. a switch on the boltwork, is activated.

Force to close

Only to use in combination with "Switch activated". The bolt will be forced to the open position by the motor (normally the bolt is spring activated).

7 WRITE A SETUP KEY

When a configuration has been made it has to be written on a Dallas key (DS1996L). Insert the Setup Dallas key in the Dallas key reader, which is connected to your PC, and click on program.



The configuration is written on the Dallas key.

8 PROGRAMMING THE LOCK

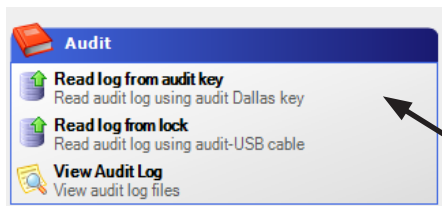
The lock board must be configured from factory mode to "operational" using a Dallas key (DS1996L). Press and hold key "2" till double beep and LED on. Then present the Dallas key (DS1996), on which the configuration has been written, to the Dallas key reader on the keypad. If valid setup key, lock signals a double beep else a long beep. Manager factory combination [5-5-5-5-5] is automatically changed to the default manager combination for operational locks: 123456(7).

9 AUDIT EM2050, EM3050 AND EM3550

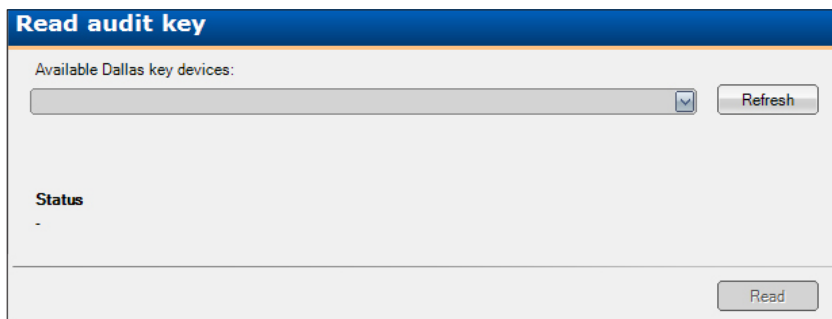
When the lock is programmed with 2 or more users an audit with the last 100 openings without time and date can be retrieved from the lock with a Dallas key.

To download the audit from the lock on the Dallas key, push and hold "7" until a double signal sounds and the LED lights up. Then enter the manager code and insert the Dallas key in the key reader on the keypad. The data will be written to the key, a double signal will sound and the LED will die. The audit chronologically lists those users who have opened the lock.

Start the MLS software and select "Read log from audit key"



The following screen will appear:



Insert the Dallas key in the key reader which is connected to your PC and refresh the available iButton devices.



Then select "Read" to read the data from the key. The log file will appear.

MLS LOG 20141222-102437			
Nr.	User	Event	
1	Manager	Opening	
2	Manager	Opening	
3	User 1	Opening	
4	User 1	Opening	
5	User 1	Opening	
6	User 1	Opening	
7	Manager	Opening	
8	Manager	Opening	
9	Manager	Opening	
10	User 9	Opening	
11	Manager	Opening	
12	Manager	Opening	
13	Manager	Opening	
14	User 4	Opening	
15	Manager	Opening	
16	Manager	Opening	
17	User 7	Opening	
18	User 6	Opening	
19	User 3	Opening	
20	User 3	Opening	
21	User 5	Opening	

Behind the "Info" button you will find information how this lock is programmed.

Info

MLS LOG 20141222-102437

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Lock model Generic lock model
Firmware 0A
Software Version 1.3
Serial number 29 14 FA 07
Lock mode More than one user
Time delay 0 min
Open window 1 min
Status Operational. Users enabled. Standard alarm

Software options

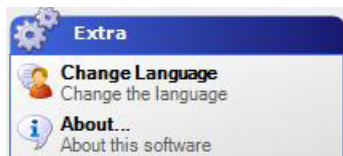
- Switch activated
- Force to close
- Press key to close

Users

Installed	X	X	X	X	X	X	X	X	X
Active	X	X	X	X	X	X	X	X	X
DallasKey									
Dual Mode			X	X	X			X	

10 EXTRA

You can change language by selecting "Change Language".



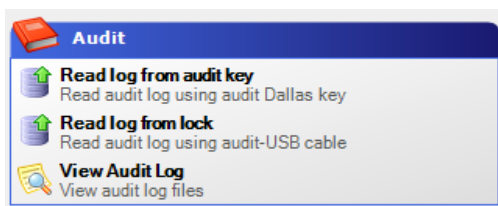
11 AUDIT REVOBOLT AND TANTUM

On the RevoBolt and Tantum MLS lock it is possible to download an audit with the last 200 events without time and date.

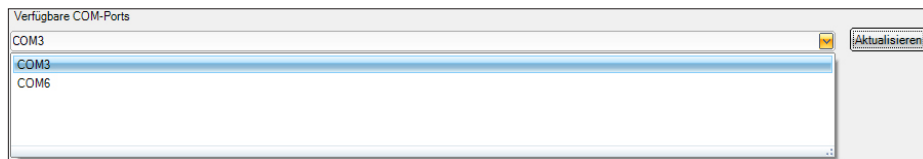
Warning! Downloading the lock audit can only be done when the lock is open.

Start the PC software and connect the lock to the PC with the audit cable.

Insert the audit cable in the battery connection of the lock. Check that the connector is completely seated.



Select "Read log from lock". Refresh the available COM-Ports and select the right Port.



During the next actions the lock has to be open!



Press and hold '7' until a double signal sounds. The LED will illuminate when performing the following actions:

For example!



- Enter the Manager Code 🎵



- Enter '1' to open the lock audit.
- Download the lock audit with the audit software.

Click 'Read'.

Read

The audit is downloaded and saved.

View Audit Log		
RevoBolt LOG 20191202-123136		
Nr.	User	Event
1	User 3	Door opened - Standard
2		Door opening prevented by wrong code
3		Door opening prevented by wrong code
4	User 4	Door opened - Standard
5		Door opening prevented by wrong code
6	User 5	Door opened - Standard
7	User 6	Door opened - Standard
8		Door opening prevented by wrong code
9	Manager	Door opened - Standard - Silent alarm
10	Manager	Door opened - Standard
11	Manager	Door opened - Standard
12		Door opening prevented by wrong code
13		Power On Reset
14		Power On Reset
15	Manager	Door opened - Standard
16		Power On Reset

Under 'information' you can find the setup of the lock.

Information

0

- Enter '0' to end the lock audit.

You can now remove the connector.

To remove the connector, carefully lift and pull it out.

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