KEYA®

UNLOCK INNOVATION

TRONIC MIFARE **PREMIUM**


KEYA

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1. CARD TYPES



PROGRAMMING CARD

[1 Programming card]



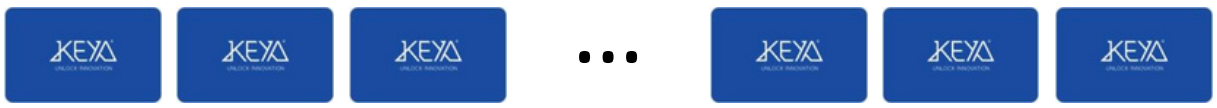
MASTER CARD

[Up to 5 Master cards can be assigned]



USER CARDS

[Up to 50 User cards can be assigned]



1.1. Card functions



PROGRAMMING CARD:
Functions: Assign / Remove Master cards



MASTER CARD:
Functions: Assign / Remove User cards
Inspection process
Clears and releases User cards



USER CARD:
Functions: Unlock / Lock

User cards must support read/write operations. On MIFARE cards, the sector in use (sector 2 by default) must be free. On DESFire cards, the creation of applications must be allowed at all times.

2. New installation – Getting started

2.1. Assigned use mode

User cards must be assigned before hand in order to lock or unlock the TRONIC MIFARE PREMIUM.

Unlocking and auto-locking:



1. Present the User card to the TRONIC MIFARE PREMIUM.
2. A beep sounds and the lock opens.
3. The TRONIC MIFARE PREMIUM stays open for 2 seconds.
4. The TRONIC MIFARE PREMIUM then locks automatically.
5. A second beep sounds.

If the procedure is not followed correctly or an error occurs, 3 short beeps will sound to signal the error.

2.2. Shared use mode

The TRONIC MIFAREPREMIUM writes data to the User card at the moment of locking, so no prior assignment is required. A shared-use User card can only be used to lock one device at a time.

Locking



1. Both the User card and the TRONIC MIFARE
2. PREMIUM must be available (not in use).
3. Present the User card to the TRONIC MIFARE
4. PREMIUM.
   A beep sounds.
   The TRONIC MIFARE PREMIUM locks.

If the procedure is not followed correctly or an error occurs, 3 short beeps will sound to signal the error.

The TRONIC MIFARE PREMIUM will only unlock with this User card.

Unlocking



1. Present the User card to the TRONIC MIFARE PREMIUM.
2. A beep sounds.
3. The TRONIC MIFARE PREMIUM unlocks.

If the procedure is not followed correctly or an error occurs, 3 short beeps will sound to signal the error.

Once unlocked, both the TRONIC MIFARE PREMIUM and the User card are released and ready for the next use.

3. Assigning User cards

1.



Present the Master card and remove it immediately after 1 beep.

2.



The blue LED lights up.

3.



Present the User card while the blue LED is lit and remove it immediately after 1 beep.

4.



To complete the process correctly, wait 5 seconds until the blue LED goes out.

If the procedure is not followed correctly or an error occurs, 3 short beeps will sound to signal the error.

3.1. Removing User cards

1.



Present the Master card and remove it immediately after 1 beep.

2.



The blue LED lights up.

3.



Present the User card to be removed and take it away after 2 short beeps.

4.



To complete the process correctly, wait 5 seconds until the blue LED goes out.

If the procedure is not followed correctly or an error occurs, 3 short beeps will sound to signal the error.

4. Tronic Mifare Premium features

4.1. Inspection process

1.



Present the Master card and remove it immediately after 1 beep.

2.



The blue LED lights up. Wait 5 seconds until it goes out.

3.



Once the blue LED goes out, 5 short beeps sound and the TRONIC MIFARE PREMIUM stays open for the 30-second inspection time.

4.



When this time is up, the TRONIC MIFARE PREMIUM locks again and the end-of-inspection tone sounds. The previous user's assignment is retained.

If the procedure is not followed correctly or an error occurs, 3 short beeps will sound to signal the error.

1.

4.2. Removing all Assigned-mode User cards

1.



x4

2.



Present the Master card and remove it immediately after 1 beep.

Repeat the previous step while the blue LED is lit, until you hear 4 confirmation beeps.

To complete the process correctly, wait 5 seconds until the blue programming LED goes out. A final confirmation tone will sound to signal the end of the process.

The TRONIC MIFARE PREMIUM will be left unlocked.

If the procedure is not followed correctly or an error occurs, 3 short beeps will sound to signal the error.

4.3. Clearing User cards

1.



x5

2.



Present the Master card and remove it immediately after 1 beep.

Repeat the previous step while the blue LED is lit, until you hear 5 confirmation beeps.

After the fifth confirmation beep, and while the programming tone sounds, present the User card(s) to be cleared.

If the procedure is not followed correctly or an error occurs, 3 short beeps will sound to signal the error.

5. Keya Control

5.1. Keya Control App – Features

KEYA Control App

GET IT ON Google Play



To read the TRONIC MIFARE PREMIUM settings, hold your smartphone against the front of the lock using NFC technology*.

Make sure your smartphone's antenna is positioned correctly to ensure optimal data transmission.

* Only compatible with Android smartphones with built-in NFC

Installation maintenance

- TRONIC MIFARE PREMIUM date and time
- Operation counter
- Date and time of last operation
- Battery level indicator
- Buttons to unlock, lock and set the time

Configurable device settings:

- Assigned use or Shared use mode.
- Time zone: EU/USA/Australia/New Zealand, for daylight saving time (DST)
- Inspection time (s), Assigned-mode auto-lock time (s) and Tag wait time (s)

Volume:

- High/Low: beeps sound at the selected volume level.
- Mute: no sound is emitted, only the LEDs light up.

Locked status LED:

- Enabled/Disabled: the red LED flashes when the TRONIC MIFARE PREMIUM is locked.

Audit trail:

- View the last 20 operations performed on the TRONIC MIFARE PREMIUM.
- UID, date and time, action type and user type

Assigned tags:

- View Programming card
- View or delete Master cards
- View or delete User cards

Automatic unlocking:

1- Limited use time: the lock opens once the set time has elapsed.

2- Set time: the lock opens at the programmed time.

- HH:MM: select the hour and minute of unlocking
- Day of the week: Every day / Mon to Fri / Sat or Sun
- Unlock time = 0: the TRONIC MIFARE PREMIUM stays open after unlocking

5.2. Keya Control – Features

KEYA Control

Get it on Windows 10



DE-620 MIFARE and DESFire card reader

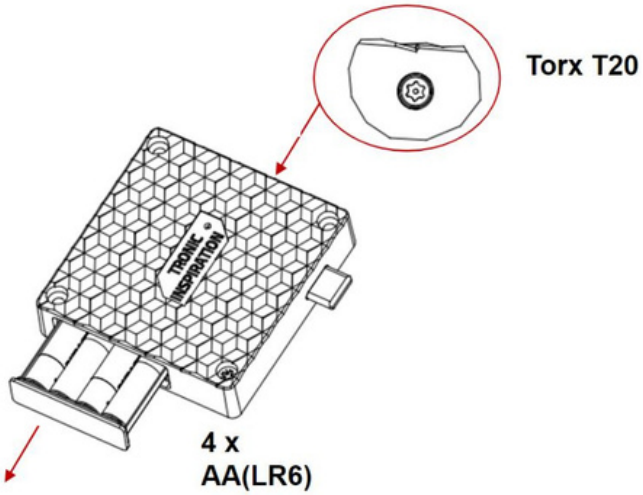
The card reader is used to read and erase data on cards and wristbands. Combined with the software, it becomes an essential accessory for full management of the installation.

The user licence allows you to:

- Read Assigned and Shared use cards
- Erase Assigned and Shared use cards

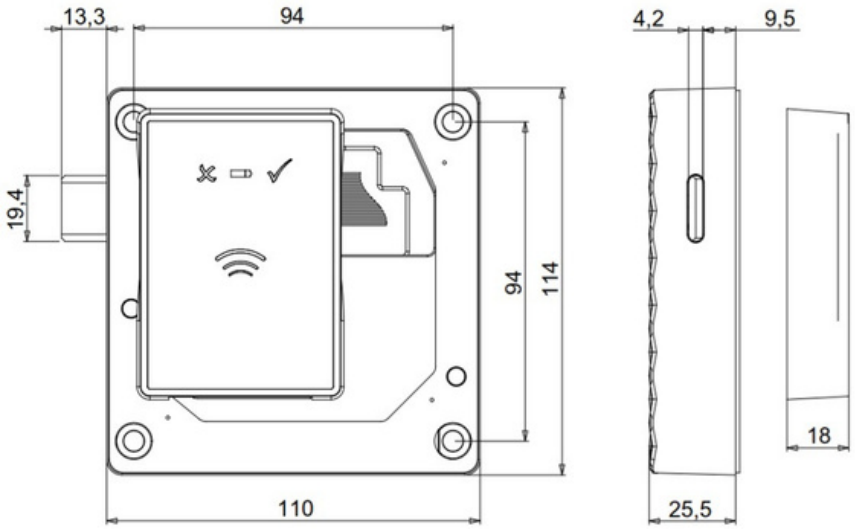
For more information on the user licence: info@keyalocks.com

6. Battery replacement



IMPORTANT:
Batteries must be replaced within 5 minutes. The BATPACK must remain connected while the batteries are removed (otherwise the clock will lose the programmed time).

7. Overall dimensions



8. Technical specifications

IP rating (front/lock)	---/45
Salt spray test	> 96h
Operating temperature	-5°C < > +70°C
Bolt strength	> 45Kgf
UV resistance	> 10000h
Vibration	10 –200Hz2g
Life cycle	> 200,000 cycles
Electrostatic discharge	8000 V
Batteries	x4 AA(LR6)
Battery life	35,000 cyclesor3 years
Technology	NFC with Keya Control App Mifare Classic MIFAREDESFIRE EV1

WEEE Directive

RoHS

Sistema de Gestión ISO 9001:2015
TÜVRheinland CERTIFICADO
www.tuv.com ID 9105066651

TRONIC MIFARE PREMIUM



100% recycled