

REX BIOREADER

DESCRIPTION

REX bioreader fingerprint reader is designed primarily to be built in the door. It is one of the smallest and thinnest fingerprint readers on the market. Its aluminium casing is a sleek and inconspicuous design feature, suitable for any modern entrance door. Being remote-controlled, the REX bioreader casing has no keys or movable parts; the status is indicated with colour-coded illumination and an integrated beeper.

REX bioreader can be easily programmed as it is primarily designed for personal use with low user turnover and daily use.

The internal unit where the relays are located is safely tucked deep in the door leaf and cannot be accessed from outside. There are two relay outputs, so in addition to unlocking the door, REX bioreader can trigger another device (e.g. an alarm, a second entrance, etc.). It can also be wall-mounted or flush-mounted over an electrical box.

TECHNICAL DATA

REX bioreader consists of two units: the external fingerprint reader and the internal unit with integrated relays. The internal unit is always placed in the safe place (inside the door leaf or the fuse box). Communication between the units is protected by a 256-bit rolling code which makes hacking the device virtually impossible.

- Dimensions: 81x37 mm
- Administrator memory slots: 3
- Fingerprint capacity: 1000
- Relay outputs: 2
- Device management: With remote control
- Installation method: In the door leaf, wall-mounted with a 30° holder, or flush-mounted
- Sensor type: Area capacitive with 3D imaging
- Hacking protection: 256-bit rolling code

REX BIOREADER IS AVAILABLE AS :

**SET 1 WITH
BIOREADER R2BRZE,
REXNEBB UNIVERSAL
INNER CONTROLLER,
RXCBB CABLE CONNECTOR**



**SET 2 WITH
BIOREADER R2BRZE BUILD IN R2IR1 STAINLESS STEEL FRAME 75 X 95 mm,
UNIVERSAL INNER CONTROLLER,
RXCBB CABLE CONNECTOR**



**SET 3 WITH
BIOREADER R2BRZE BUILT IN STAINLESS STEEL 30 DEGREE FRAME R2IN1
UNIVERSAL INNER CONTROLLER,
RXCBB CABLE CONNECTOR**



F. A. Q

HAND CARE

Make sure your hands are clean and sufficiently moist. Fingerprint recognition problems are at their peak in winter months, when your skin is very dry.

DOES IT RECOGNIZE EVERY FINGER

Fingerprint recognition is a very sophisticated technology, so it is normal to expect small fluctuations even when using the best components available. In reality there are 3% to 4% of people who cannot use our products but more importantly, 90% of those are either younger than 8 years or older than 75.

Small children have small fingerprints, plus their fingerprints are still developing and changing. A fingerprint matures approximately at the age of eight. Some of our older users' biggest problem is very dry skin. REX bioreader can also be unlocked with the remote control, which your elder family members can use instead of the reader.

CAN THE SENZOR BE FOOLED BY ARTIFICIAL FINGER

Our fingerprint readers use 3D imaging technology and they also measure the conductivity of a finger. This makes it extremely difficult to fool them with artificial fingers. However, when asking about the vulnerability of the fingerprint reader as a threat to your home security, it makes sense to ask a few other questions first:

- How will the burglar get quality images of your fingerprint?
- Does the burglar have the technology and know-how to produce high quality artificial fingers?
- Burglars are mostly opportunists who will find the most vulnerable point to enter the house: they will simply break a window or break in through a balcony.

If you want to protect high value items on your property, we strongly suggest that you consider employing some guards, and if you go for a biometric solution, choose a retina-scan device. They are big and very expensive but highly reliable.

CAN THE DOORS BE UNLOCKED BY SENDING ELECTRICAL SIGNAL FROM THE OUTSIDE

The relay for unlocking the door is integrated on the internal unit which is stored deep in the door leaf or in the fuse box. The communication between the fingerprint reader (the external unit) and the internal unit is encrypted by a 256-bit rolling code. The same level of security is being used in your internet banking service.

HOW CAN I ENTER IF THE REX BIOREADER DOES NOT RECOGNIZE MY FINGERPRINTS

If REX bioreader for any reason does not recognize your fingerprint(s) there is always an option to unlock the door with a remote control. There should also always be an option to unlock the door with a conventional key.

You can read about possible causes for this situation as well as tips for solving it in the "Troubleshooting" tab.

DOES THE REX BIOREADER NEED ANY MAINTENANCE

The sensor must be clean to make good readings. You can gently wipe it with a moist, soft cloth. Never use aggressive and abrasive cleaning solutions or sharp and harsh tools as you may damage the sensor.

TROUBLESHOOTING

FINGERPRINT ENROLLMENT FAILED

The finger was pressed on the sensor too harshly or too gently. The finger should be pressed on the surface of the sensor with normal strength.

- The surface of the fingerprint pressed on the sensor was too small. A larger surface of the fingerprint should be pressed on the sensor.
- The fingerprint database is full. You will be able to add a new fingerprint after you delete one of the existing ones.
- Skin on the finger you're trying to enroll is very dry. Make sure your skin is moist enough.
- For troubleshooting regarding children, the elderly and damaged fingerprints see the last tab.

THE DEVICE DID NOT RECOGNIZE A STORED FINGERPRINT

The finger was pressed on the sensor too harshly or too gently. The finger should be pressed on the surface of the sensor with normal strength.

- The surface of the fingerprint pressed on the sensor was too small. A larger surface of the fingerprint should be pressed on the sensor.
- Skin on the finger you're trying to enroll is very dry. Make sure your skin is moist enough.
- For troubleshooting regarding children, the elderly and damaged fingerprints read the last tab.

I DID NOT SEE THE WHITE LED

The device is not connected to the power supply. Check the wiring for possible damage and check the fuse on which the device is connected. If the device still does not respond, call an authorized repair service.

- Under strong daylight the white LED might not be visible. Shade the device with your hand.

THE RED LED IS FLASHING CONTINUOUSLY

Device malfunction. Call an authorised repair service.

THE FINGERPRINT IS RECOGNIZED, THE GREE LED IS FLASHING BUT THE DOOR DOES NOT UNLOCK

The finger that you used might be programmed to trigger the second relay. Delete the fingerprint first, then enroll it again and assign it to the first relay. The procedure is described in the user manual and in the quick guide.

- Device or electric lock malfunction. Call an authorised repair service.

CHILDREN, THE ELDERLY AND PEOPLE WITH DAMAGED FINGERPRINTS

If a child's fingerprint cannot be enrolled it means that it is either too small or not developed enough. Fingerprints mature around the age of eight.

- A child's fingerprint was successfully enrolled but after some time it is not recognized anymore. Fingerprints can change a lot in a short time during development phase. Enroll the child's fingerprints again.

- Elder people can have dry and less elastic skin. This makes fingerprints harder to enroll and to recognize. Users in this group need to moisturize their hands before enrolling and using the device. They can also enroll the same finger more than once. This will make the recognition easier.

- Manual labour, especially when it involves the use of chemicals and various cleaning liquids, can lead to damaged fingerprints. The quality of fingerprints can be improved by the use moisturizing hand creams and to increase the possibility of success it is recommended to enroll the same fingerprint more than once. In some extreme cases fingerprint are damaged beyond recognition and it makes more sense to use another solution, such as the REX touchpad or the REX bluetooth.