

QK-BIOTX

BIOMETRIC TRANSMITTER FOR OPERATING WITH QK-AMBRX RECEIVERS



- 1
Led azul
Led bleue
Blue led
Blaue Led
- 2
Led blanco
Led blanche
White led
Weiße Led
- 3
Led naranja
Led orange
Orange led
Orangene Led
- 4
Pulsadores
Boutons
Pushbuttons
Druckknöpfe
- 5
Lector biométrico
Lecteur biométrique
Fingerprint reader
Biometrische Lesevorrichtung
- 6
Tapa protectora
Cache de protection
Protective cover fingerprint reader
Schutzabdeckung



TECHNICAL DATA

Operating frequency	868,35 MHz
Power supply	1,5Vdc (2 lithium batteries type AAA)
Consumption operating / standby	200mA / 40uA
Radiated power	< 25mW
Memory	Maximum 10 fingerprints
Operating temperature	-20°C to + 85°C
Protection level	IP55
Dimensions	93x93x30mm
Battery duration (approx)	1,5 years (with lithium battery)

INSTALLATION

Within the packaging of this product you will find the equipment mounted, 2 lithium batteries type AAA, a TORX wrench and the user manual.

1

Unscrew the bottom screw with the wrench provided and remove the front cover.



2

Unscrew the 4 front screws and remove the inner piece.



3

Turn the piece and put the batteries in the back.



4-
Fix the base piece to the wall or recessed it (as appropriate).

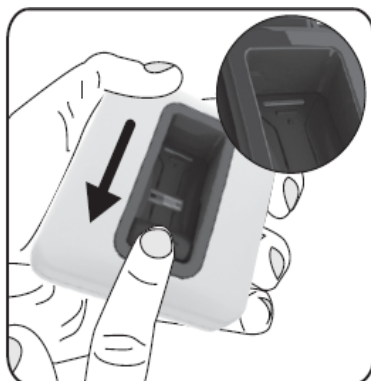
5-
Follow all the instructions for the starting up the equipment.

6-
Fix the inner piece to the base with 4 screws and set the front to the base with the lower screw.

STARTING UP

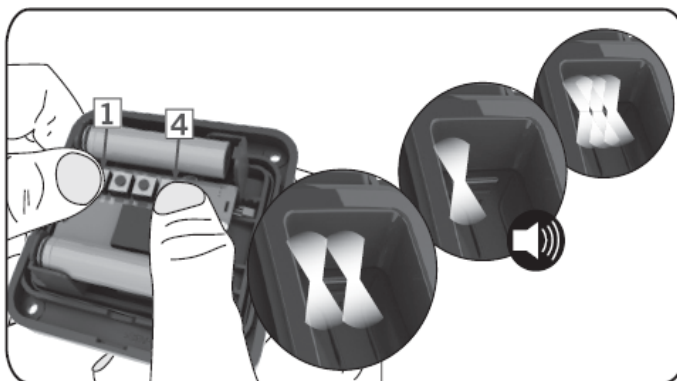
1

OPEN THE PROTECTIVE COVER



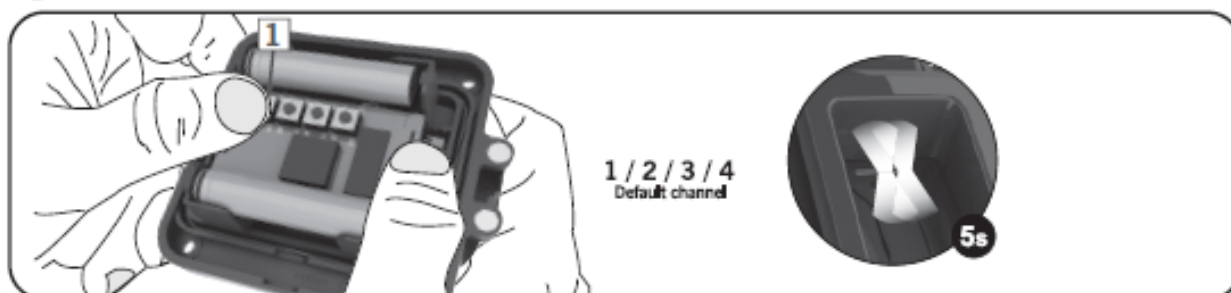
2

ENTER IN CONFIGURATION MODE BY PRESSING 1 AND 4 UNTIL YOU HEAR A CONFIRMATION BEEP



3

PRESS THE CHANNEL IN WHICH THE FINGERPRINT WILL BE PROGRAMMED



4

SWIPE YOUR FINGER 5 CONSECUTIVES TIMES TO PROGRAM IT



5

CLOSE THE PROTECTIVE COVER



TERMINOLOGY

Default channel: the channel that will be send in biometric activation operating.

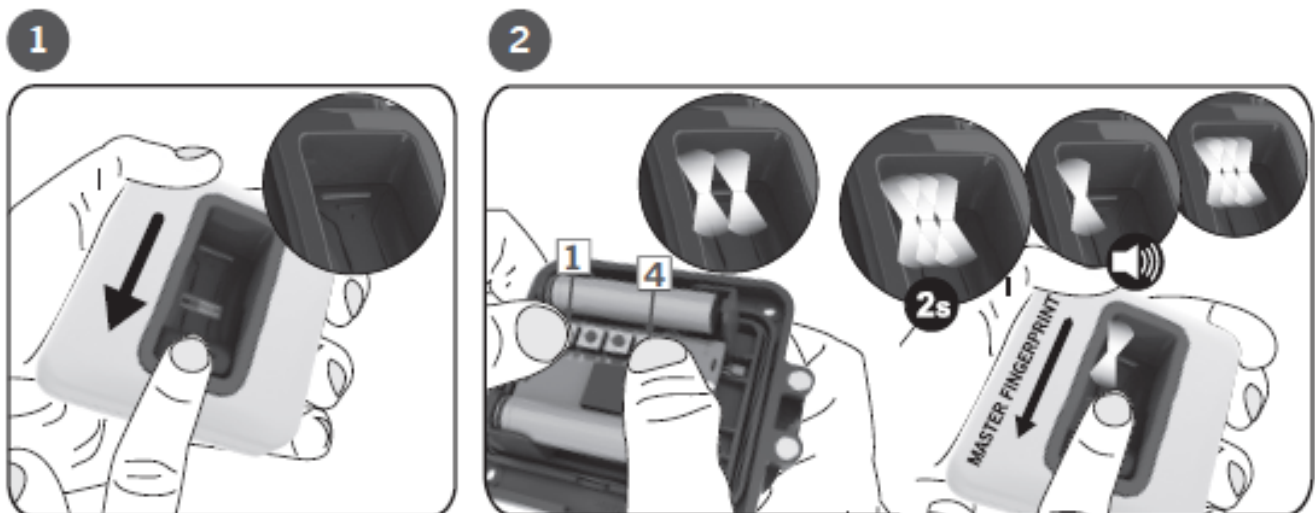
Master fingerprint: fingerprint that allows using operating and configuration modes.

Not master fingerprint: fingerprint that only allows using the operating mode.

CONFIGURATION MODE

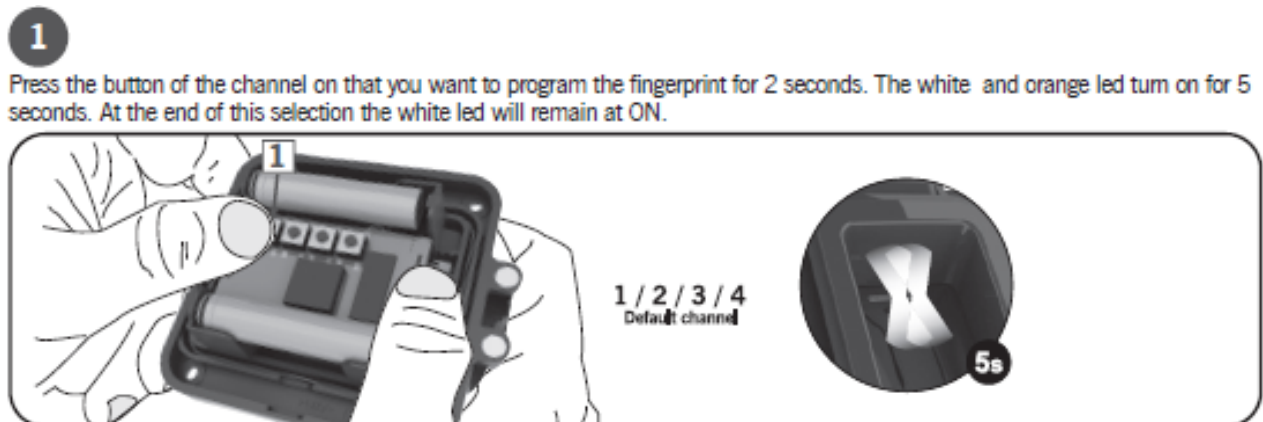
To enter **configuration mode**, do the following:

1. Open the protective cover.
2. Press the pushbuttons 1 and 4 at the same time until the three led turn on flashing.
Note: if a stored fingerprint exists, the white led will turn on. Then you must pass one of the fingerprints already stored. The blue led will turn on for 2 seconds and you will hear a beep. The three led will flash, indicating that the device is in configuration mode.



FINGERPRINT PROGRAMMING

Enter **configuration mode**.



2

Pass the fingerprint to programme 5 times. Each time that you swipe the finger, the white and blue led make a flashing and a signal sound will be heard. At the end of the fifth pass, the blue led lights for 2 seconds fixed indicating the correct programming



The equipment will remain in **configuration mode**.
This process must be repeated for all the desired fingerprints to program.
The first channel selected will be used by default channel.

Note: If a fingerprint reading is not ok, the orange led will flash and two beeps will be heard.

ERASING THE MEMORY

Enter **configuration mode**.

A) ERASING ONE FINGERPRINT

1. Press the pushbuttons 3 and 4 at the same time. The white led flashes and 5 signal sounds will be heard. Then the white led remains fixed.
2. Pass the fingerprint to be erased The blue led will turn on and you will hear a confirmation signal sound.



B) TOTAL RESET

Press the pushbuttons 1 and 3 at the same time for 10 seconds. The orange led will flash and 10 long signal sounds will be heard. Keep pressed the two pushbuttons and a serial of fast beeps will be heard, indicating that the memory has been totally erased.



2

Keep pressed the two pushbuttons and a serial of fast beeps will be heard, indicating that the memory has been totally erased.
ERASING OK

The equipment remains in **configuration mode**.

To exit configuration mode, wait 10 seconds without doing any action, or close the protective cover, the device will exit from configuration mode, and the three leds will switch off. Two beeps will be heard.

OPERATION

1. Open the protective cover, the white led will turn on waiting for a fingerprint reading.
2. Swipe your finger over the reader. The blue led will turn on for 2 seconds and a confirmation beep sound will be heard. The channel programmed will be sent by default for the fingerprint used.



MASTER FINGERPRINT / NOT MASTER FINGERPRINT CONFIGURATION

For NOT MASTER FINGERPRINT programming, the device needs to be configured as follows:

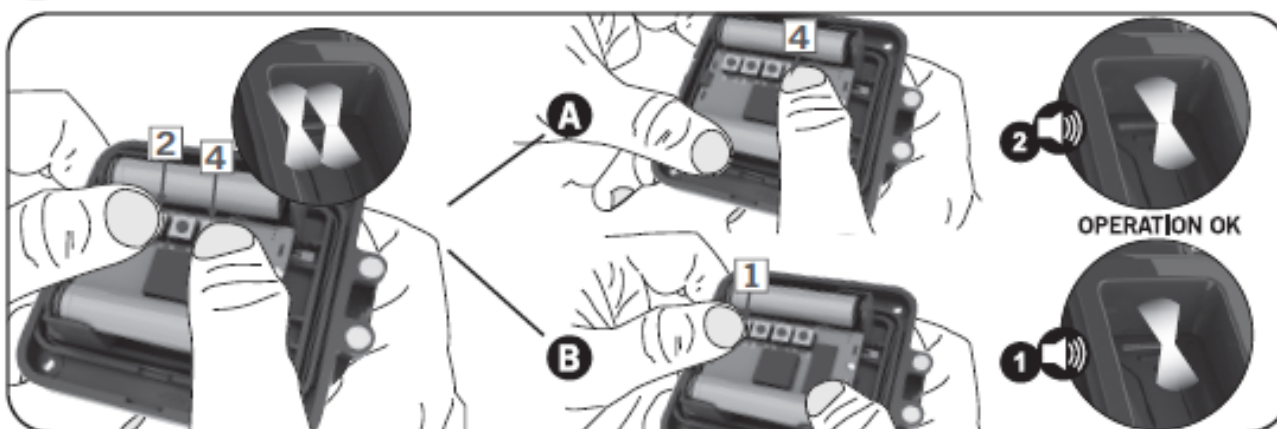
1. Enter configuration mode.
2. Press the pushbuttons 2 and 4 for 2 seconds. The blue and orange led will turn on.
3. Press the pushbutton 4. The orange led turns on and 2 beeps are heard.

At this moment it is possible to program NOT MASTER FINGERPRINT following fingerprint programming chapter.

To reprogram MASTER FINGERPRINT again, it will be necessary to reconfigure the device as follows:

1. Enter configuration mode.
2. Press the pushbuttons 2 and 4 for 2 seconds. The blue and orange led will turn on.
3. Press the pushbutton 4. The orange led flashes and 1 beep is heard.

1



A: NOT MASTER FINGERPRINT

B: MASTER FINGERPRINT

Once the device is configured, for the desired fingerprint programming follow the chapter **FINGERPRINT PROGRAMMING**.

LIGHT AND SOUND INDICATORS

Action	LED Blue	LED White	LED Orange	Buzzer
Operating mode				
Biometric reader waiting a finger-print		●		
Confirmation fingerprint reading ok	● 2s			1
Biometric reader waiting for a finger-print in pushbutton mode	◐	●		
Unrecognized fingerprint			●	2
Error in fingerprint reading			◐	2
Low battery		●	●	4
Biometric reader damaged			●	1 long
Configuration mode (exclusive actions in this mode)				
Device in configuration mode waiting for an action	◐	◐	◐	
Device waiting for a finger-print	◐	●	◐	
Confirmation fingerprint reading ok in configuration mode	● 2s			1
Device waiting for authorised channels or fingerprints	●	●		
Erasing one fingerprint		●		5
Advise total reset			◐	10
Total reset			◐	10 fast
Memory full			◐	10
Device in MASTER and NOT MASTER configuration mode	●		●	
MASTER FINGERPRINT Configuration			◐	1
NOT MASTER FINGERPRINT Configuration			●	2

● : Fixed ◐ : Flashing

LOW BATTERY INDICATOR

When the protective cover is opened, the white and orange leds will be at ON and four beeps will be heard.

BIOMETRIC READER DAMAGED

When the protective cover is opened, the orange led will be at ON and one beep will be heard.

REPLACING THE BATTERY

Follow the steps in INSTALLATION to open the equipment. Remove the batteries and change them for the new ones.

Always use batteries of the same technical data that those supplied by the manufacturer to guarantee its durability.

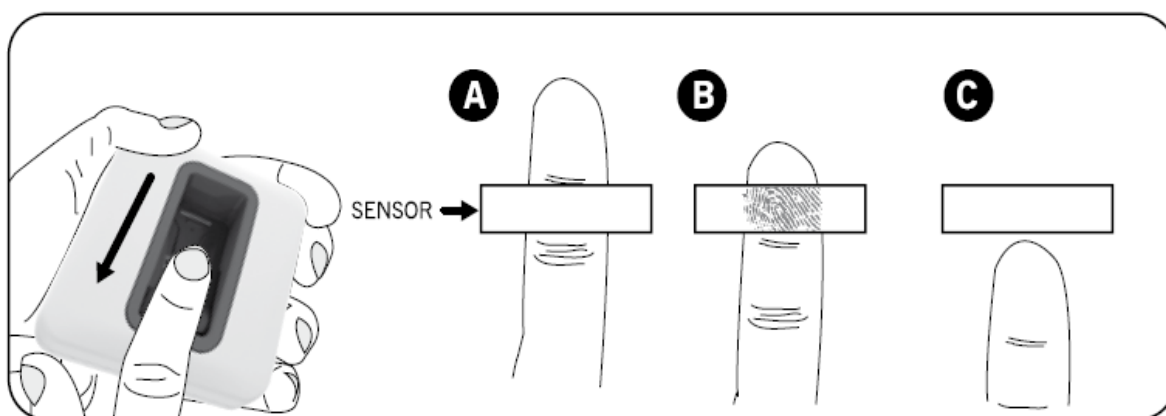
RECOMMENDATIONS

How to pass the fingerprint correctly over the reader?

CORRECT

1. Make sure finger is clean and dry. Place finger flat above the sensor strip with the top knuckle above the sensor.
2. Swipe finger straight down keeping firm contact with the sensor. The swipe should be a slow, constant speed.

Special notes: Use the same finger for every swipe. It is important to swipe finger slowly and firmly as this is the reason most swipes fail.

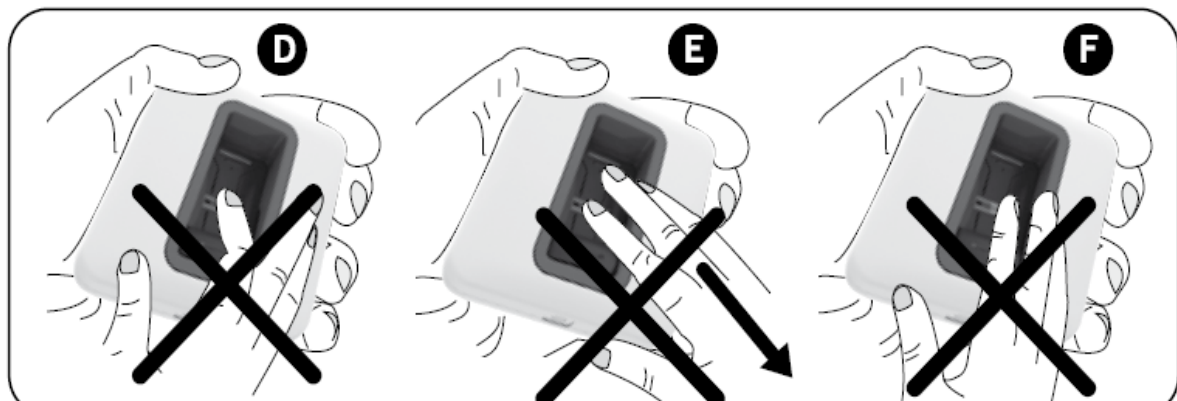


A: Start swipe with the top knuckle above the sensor strip.

B: Swipe finger straight down keeping firm contact with the sensor.

C: The scan should end at the tip of finger.

INCORRECT



D: Do not bend finger during swipe as this will only scan the tip of your finger.

E: Swipe finger straight down, not at an angle.

F: Swipe flat, not tilted or rolled to one side.

How to avoid damaging the biometric reader?

Keep always the protective cover closed when the transmitter is not used. Avoid scratching the surface when it is used.

To avoid a major consumption of the biometric reader, keep always the protective cover closed when it is not used.

QUIKO ITALY declares herewith that the product QK-BIOTX, complies with the requirements of the 1999/5/ CEE R&TTE Directive, insofar as the product is used correctly.

CE DECLARATION OF CONFORMITY CE

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