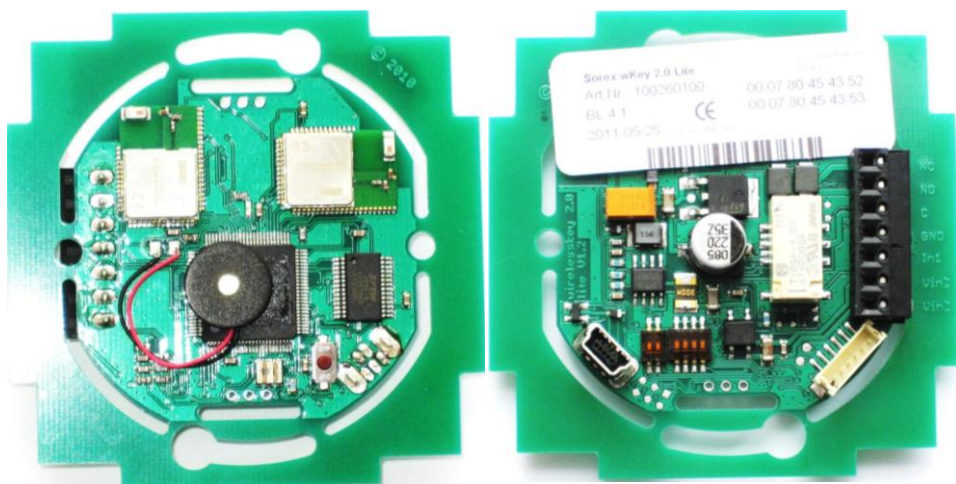


SOREX wirelessKey LITE

Your mobile is the key!



The remote control can be used additionally to your mobile phone.

## Manual

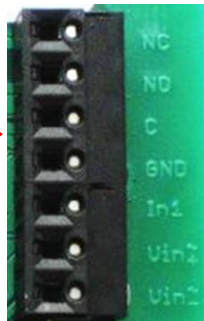
SOREX wirelessKey 2.0 LITE USB

[www.sorex.eu](http://www.sorex.eu)

# 1 Welcome

Congratulations! You have purchased a SOREX wirelessKey LITE Module. SOREX wirelessKey LITE is based on the Bluetooth-technology. The system enables the usage as door-key on every Bluetooth mobile.

## 2 Montage



Relais (Shutter):OUT2  
Relais (Opener): OUT3  
Relais (Middle): OUT1  
Input: GND  
Input: In1\*  
Power Supply: Vin+/~  
Power Supply: Vin-/~

\*(Brücke mit GND, dann als geschaltet erkannt)

### 1.1 Potential free contact switch for the motor engine door lock:

Everything stays the same. You can use the Relay Middle (OUT1) and Relay Shutter (OUT2).

### 1.2 Two options for the control voltage of the motor engine lock:

**Either:** If the lock needs a **negative control voltage** connect the „Voltage input: Vin-„ with „Relay (Middle): OUT1“. You will get the control voltage on the „Relay OPENER OUT3 “:

**Or:** If the lock needs a **positive control voltage**, connect the „Voltage in: Vin+„ with „Relay (Middle): OUT1“. You will get the control voltage on „Relay opener OUT3 “.

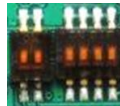
### 3 DIP-Switches

Using DIP-Switches you can modify important settings directly on the product. In order to do so simply turn the according switches on or off as depicted below.



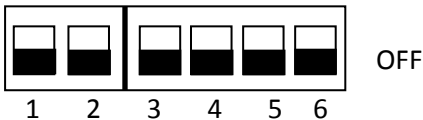
**Switches must be used only when SOREX wirelessKey LITE is disconnected from the power supply! We recommend touching something like your radiator in order to avoid electronic charging of the human body before touching the switches.**

This is where you find the switches on your unit:



DIP-Switches

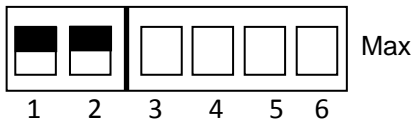
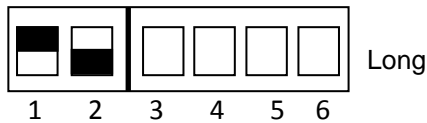
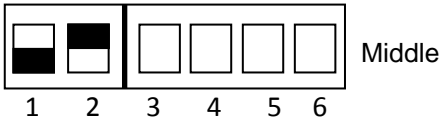
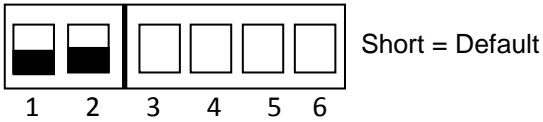
These are the standard settings of the switches:



All switches are set on "off" by default = OFF

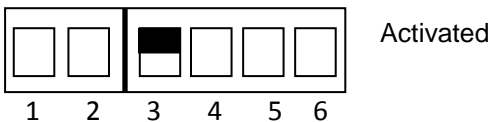
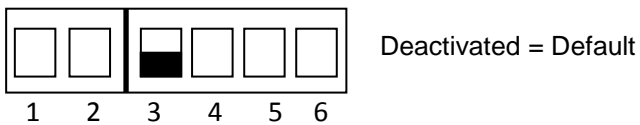
### Setting up the range:

The range can be set to: short, middle, long and max.



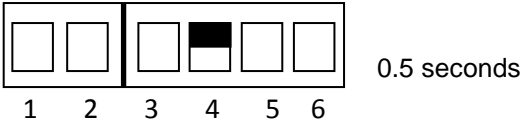
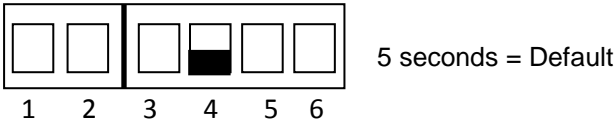
### Input

If the DIP-switch „input“ is activated the relay responds only when the mobile is within range and the input: GND Input: In1 has been connected.



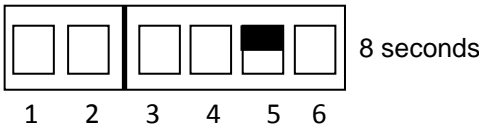
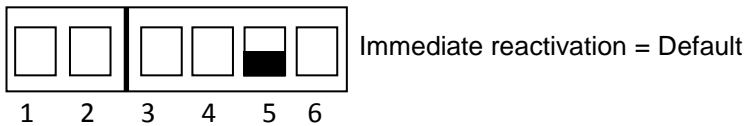
### Relay response time

You can set how long the relay switches for the next mobile to be registered after the first one has come within range.



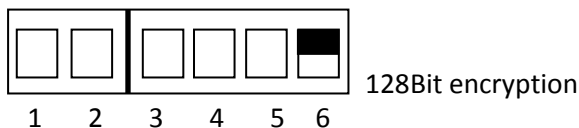
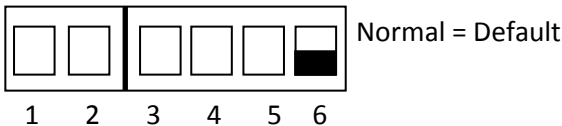
### Reactivation delay:

You can set how long the unit delays the reactivation of the same device after being out of range to be connected again. (You want to avoid multiple unnoticed recognition and activation of the relay)



### Security mode

The mobile is being identified with two numbers in the security mode „normal“. When using the security mode „128Bit key“ an additional 128bit encryption is applied. (Please notice that it takes one second longer for the device to recognize the mobile in 128bit mode.)



## 7 Adding a mobile

For adding a new user please follow steps 1 - 5.

### **Step 1: Activate Bluetooth on the mobile**

Activate Bluetooth on your mobile and switch to visibility-mode ON. For further information please consult your mobile-phone manual.



**You need to have the visibility mode permanently switched on in order to be recognized by the unit. It may be necessary to stay within the Bluetooth menu or switch the mobile to "secure-mode". More information can be found in chapter 9.**

### **Step 2: Hold the mobile in front of the SOREX wirelessKey LITE Module for at least 10 seconds**

The mobile needs to touch the module. After about 10 seconds it will say "add.SOREX-w.Key" on the display. Accept the request and follow through.

### **Step 3: Enter PIN-Code**

Now you are being asked for a PIN in order to connect with "add.SOREX-w.Key". Please find the code (Pairing-PIN) enclosed in the envelope of your SOREX wirelessKey LITE Module.



**Please store the code at a safe place at it is mandatory for pairing additional mobile phones.**

After entering the code press OK and your phone adds "add.SOREX-w.Key" to your list of paired devices. Please be aware that you must not delete "add.SOREX-w.Key" from your list in order to have access!

### **Step 4: Setting up the range of recognition**

You can setup the recognition range for your mobile phones with the DIP switches. Please find further information in the chapter "DIP-Switch".

### **Step 5: Finish**

Now your mobile has access to the door.

Some mobiles ask if automatic recognition is desired. Answer this question with yes. There is a SOREX app for the Apple iPhone and the Android cell phone that switches the visibility mode on.



**Note:** It may be possible that the Apple iPhone does not register the module as "add.SOREX-w.Key" and "del.SOREX-w.Key" but as "Headset".

## 8 Deleting a paired mobile

In order to remove a paired user please follow steps 1-4. All users can be deleted the same way!

### **Step 1: Activate mobile phone**

Activate Bluetooth on your mobile and switch visibility mode on. For details consult your mobile-phone manual. It may be necessary to stay within the Bluetooth menu and/or switch to the security mode. Please find further information in chapter 9.

### **Step 2: Keep the mobile directly over the SOREX wirelessKey LITE Module**

Keep the mobile directly at the SOREX wirelessKey LITE Module for at least 30 seconds. The mobile needs to touch the module. After 30 seconds the connection "**del.SOREX-w.Key**" will be displayed. Accept the connection and press OK.

### **Step 3 Enter PIN - Code**

Now you are being asked to enter the PIN. The delete PIN is identical on all SOREX wirelessKey LITE Modules. It is "**1234**".

You can also find the PIN in the envelope. After having entered the PIN your mobile adds "**del.SOREX-w.Key**" to your list. The SOREX wirelessKey LITE Module beeps four times when the procedure has been completed.

### **Step 4: Finish**

Please delete "**add.SOREX-w.Key**" and "**del.SOREX-w.Key**" from your device list. Now you are disconnected from the module.



**Note:** It may be possible that the Apple iPhone does not register the module as "**add.SOREX-w.Key**" and "**del.SOREX-w.Key**" but as "**Headset**".

## 9 Renewed adding or removal

If you want to add an already deleted mobile please delete "**add.SOREX-w.Key**" from your list of Bluetooth connections. Otherwise you cannot get access again.

If you want to delete a device again from your SOREX wirelessKey LITE module you need to remove "**del.SOREX-w.Key**" from you list of Bluetooth connections.

**Note:** You need to exit your Bluetooth menu if you want to add your mobile and then remove it afterwards.



**If the pairing process fails repeatedly you need to delete some (or all) entries from your Bluetooth connection list.**

## 10 Opening the door

For opening the door you do not need the code anymore once the mobile phone has been paired with the module. You gain access automatically once you are within range and your Bluetooth visibility mode is switched on.

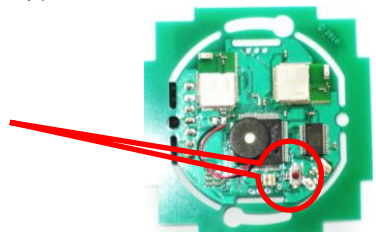
**Note that you need to be within range to gain access!**

Once you are within range you have access and the door opens. This will be repeated if you have stayed out of range for at least 8 seconds. (You can also set the reactivation time to 0 seconds with the DIP-Switches.)

## 11 Reset

In order to restore default settings on the SOREX wirelessKey LITE Module a paired mobile needs to be within range with Bluetooth in Visibility mode switched on. Then you need to press and hold the red button on the back of the module for 16 seconds (until you hear the 4<sup>th</sup> beep).

Red Button



## 12 Security notice



**Please be aware that you may come in contact with high voltage when installing the SOREX wirelessKey LITE Module. Only certified electricians may conduct an installation.**

No other remedy shall be available regarding damages on installation of SOREX wirelessKey LITE System. (Voltage: 9-24 V DC, or 9-12V AC.)

## 13 Compatible mobile phones

The SOREX wirelessKey LITE Module has been tested with a wide range of mobile phones in the normal and 128bit mode. All are compatible with this module but a few exceptions.

### **The most important settings on your phone are:**

- 1.) Bluetooth must be switched on.
- 2.) Bluetooth must be in visibility mode.

If your phone supports these two features SOREX wirelessKey LITE System can be used easily.

Please find below a list of phones for which special settings are required:

<b>Mobile Phones</b>	<b>Compatibility</b>
Apple iPhone	iPhone 3G/3GS could respond slowly to SOREX wirelessKey LITE, please upgrade to IOS 4.0. It needs to be used with the SOREX App from the Appstore. Alternatively you can activate it from within the Bluetooth menu.
Motorola Racer	Bluetooth has to be switched to visibility mode every time.
Android	Can be used with SOREX-App if you switch on Bluetooth visibility permanently.

This list is incomplete. Sorex does not give a guarantee for that all phones are compatible with SOREX wirelessKey LITE

## 14 Product Details

Supply-voltage	9 bis 24 VDC DC, 9-12V AC, 40 mA
Relay - Output	max. 50 VDC - max. 2 A - max.
Switching time	customisable (5 sec.by default)
Range for opening the door	customisable (short, middle, long, max)
Operating temperature	-20 °C to +60 °C (-4°F to 140°F)
Dimension of casing	70x70x15mm (LxBxH)
Interfaces (Optional)	USB
Safety Class/Installation	None
Compatible covers	Firm Merten
Number of mobiles to be added	45

## 15 Guarantee and liability

For this product SOREX Wireless Solutions grants a guarantee of six months if the invoice can be presented.

SOREX does not stand guarantor for damages or injuries caused by incorrect usage or usage against instructions in the manual. Claims for damage or claims for errors – regardless the reason – stemming from a faulty delivery or a faulty service by SOREX are excluded without exception. Please find all the details in the general terms and conditions (AGBs) of SOREX Wireless Solutions GmbH.

## 16 Certificates

Bluetooth™  
FCC - Rule Parts 15C  
CE - EC/2006/20013  
ROHS

## 17 Support

Producer:



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2700 Wr. Neustadt  
AUSTRIA

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[www.sorex.eu](http://www.sorex.eu)

**Please read the general terms and conditions (AGBs) of SOREX – Wireless Solutions GmbH**