



## 4 Commissioning and programming

The radio keypad is ready for use as soon as it has been connected to the motor locks 12 V DC power supply. Use the following factory preset codes for the first entry:

- Opening code 1 = 1 1 1 1
- Opening code 2 = 2 2 2 2
- Master code = 9 9 9 9 9 9 9 9



**Please note: For safety reasons, it is essential to reprogram the factory-set master and opening codes during installation!**

### 4.1 Programming a new 8-digit master code

The master code must always consist of 8 digits and can be changed as often as desired. When programming, make sure that there are no more than 5 seconds between the individual steps, otherwise the programming process will be aborted!

Proceed as follows to programme a new code:

1. Activate the keypad by pressing any key.	The keypad lights up.
2. Press the programming key *.	The green LED flashes slowly.
3. Enter the factory-set master code 9999 9999 (or your previous code).	
4. Confirm with the programming key *.	The green LED flashes slightly faster.
5. Press the programming key * once more.	The green LED flashes very quickly.
6. Enter a new 8-digit master code.	
7. Confirm with the programming key *.	The green and red LEDs are flashing.
8. Enter the new master code once more.	
9. Confirm with the programming key *.	The green and red LEDs stop flashing.
10. The new master code has now been successfully saved!	



**Please make a careful note of the master code and keep it well protected!  
If you lose this master code, you will no longer be able to reprogram the unit!**



## 4.2 Programming a new opening code (4 to 8 digits)

The opening code can consist of 4 to 8 digits and can be changed as often as desired. When programming, make sure that there are no more than 5 seconds between the individual steps, otherwise the programming process will be aborted!

Proceed as follows to programme a new code:



**While programming an opening code, please do not press the bell key (transmit signal key for socket radio gong).**

1. Activate the keypad by pressing any key.	The keypad lights up.
2. Press the programming key *.	The green LED flashes slowly.
3. Enter the master code.	
4. Confirm with the programming key *.	The green LED flashes slightly faster.
5. Enter a new 4 to 8-digit opening code and <b>also</b> the digit for the desired channel: Digit <b>1</b> for channel 1 Digit <b>2</b> for channel 2.	
6. Confirm with the programming key *.	The green LED stops flashing.
7. The new opening code has been saved for the selected channel (1 or 2)!	



**Note that a separate code must be used for each opening channel.**

### Example for programming an opening code for channel 1 and channel 2

Desired opening code and channel	Programming
Opening code <b>1 2 3 4 5</b> for <b>channel 1</b> , e.g. front door	Number input: <b>1 2 3 4 5 1</b> (Opening code <b>1 2 3 4 5</b> and the digit <b>1</b> for channel 1)
Opening code <b>9 8 7 6 5</b> for <b>channel 2</b> , e.g. garage door	Number input: <b>9 8 7 6 5 2</b> (Opening code <b>9 8 7 6 5</b> and the digit <b>2</b> for channel 2)

When the opening code for channel 1 (1 2 3 4 5) or channel 2 (9 8 7 6 5) is subsequently entered, the radio keypad automatically sends a radio signal via channel 1 or channel 2 to the control unit/radio receiver and opens e.g. the front door (channel 1) or garage door (channel 2).



### 4.3 Input of opening code

The keypad is always in a power-saving mode when not in use.

Proceed as follows to open the door:

1. Activate the keypad by pressing any key.	The keypad lights up.
2. Enter your opening code (for first-time code entry, see chapter Kapitel 4).	The green LED lights up briefly with each digit entered. As soon as the opening code is correct, the green and red LEDs light up for 1 second. At the same time, a radio signal is automatically sent to the desired channel. The red LED goes out and the green LED remains lit for approx. 5 seconds.
3. As long as the green LED is lit (approx. 5 seconds), you can send another opening signal by pressing any numeric key again. This allows you, for example, to stop the garage door or reverse its direction of movement without having to enter the opening code again.	Approximately 5 seconds after the last key is pressed, the green LED goes out and the radio keypad goes back into energy-saving mode after approx. 10 seconds..

### 4.4 Blocking times as tamper protection

If the red LED starts flashing 5 times after the code has been entered, an incorrect opening code has been entered!

If an incorrect opening code is entered 5 times in succession, the keypad is locked for 1 minute! During this locking period, the red LED lights up continuously and the unit cannot be operated. Only after this blocking time has elapsed does the red LED go out and it is again possible to generate a radio signal by entering the correct code.

If an incorrect opening code is entered 5 times in succession again, the locking period increases first to 5, then to 10 and finally to 15 minutes. The locking period can be cancelled by switching off the power.



## 5.2 Tuning in the radio keypad to the control/radio receiver

In order for the radio keypad to be able to open a motor lock, it must be tuned in to the **multitronic/autotronic** control unit. The control is located inside the building. The radio keypad is tuned in like a new radio key (see the installation and operating instructions for **multitronic 881** and **autotronic 834/836**). When using the radio receiver module VNBFP490 mounted on the motor drive, the tuning-in procedure is identical.

Proceed as follows to tune in:



**During the tuning-in process, when using a radio receiver module, make sure that the tappet contacts of the door and the contact surface unit in the door frame are always in contact.**

**Note: Steps 3 – 5 must be carried out within 20 seconds. If the time window is exceeded, the tuning-in process is aborted. Then start at step 1.**

1.	Take the master radio key of your <b>multitronic/autotronic</b> locking system in your hand.	
2.	Press the programming button <b>(A)</b> of your control or radio receiver module for approx. 1 second. .	The green LED of the control unit or the red LED of the radio receiver module starts flashing.
3.	Now switch to your radio keypad on the outside of the building. Press the front, middle button <b>(B)</b> of the master radio key for approx. 1 second.	The green LED of the control unit or the red LED of the radio receiver module lights up for approx. 2 seconds and then starts flashing.
4.	Activate the radio keypad by pressing any digit (but not the bell key). Now enter the opening code of the desired channel within 20 seconds.	The LED of the radio keypad then lights up green and red.
5.	After approx. 2-3 seconds, press any number key on the radio keypad again to send a second radio signal.	The green LED of the control unit or the red LED of the radio receiver module lights up for 4 seconds and then goes out..
6.	The radio keypad can now be used to open the door.	

