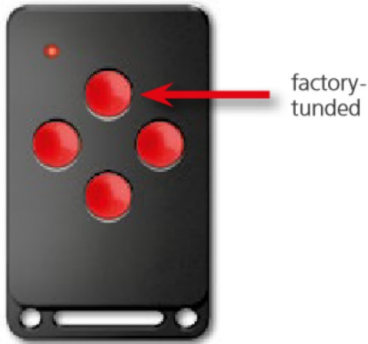# 8   Control via FUHR radio access control systems

factory-
tunded

Each control unit comes with a radio receiver. To the scope of delivery of a control unit or a radio receiver module a master radio key with red buttons is included. With the help of the master radio key, 25 user radio control keys or any other FUHR access system can be tuned in. All radio keys are copy protected by means of a 'rolling code system'. The middle button of the master key has already been programmed to the control unit or the radio receiver module in the factory.

In the following, the pairing and deletion of 4-channel radio keys is described. Each of the keys (channels) can be assigned individually, e.g. for front door, garage door, property gate and lighting.

The handling of other FUHR radio transmitters (finger scan, keyboard, transponder etc.) is analogous. Detailed information: www.fuhr.de.

For the connection of external access controls, please refer to the wiring diagram in chapter 7 and the corresponding instructions.

⚠ **The master key cannot be deleted or switched at a later stage. It should therefore be kept safely, as additional keys cannot be tuned in or deleted should it be lost.**

8.1   THE PROGRAMMING KEYS

DIN rail controller   **Integrated radio receiver**   **Radio receiver module**

Programming button
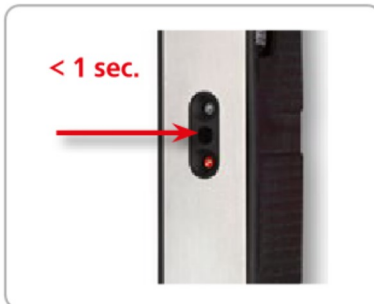
LED- Programming button

8.2   TUNING IN AND DELETING USER RADIO KEYS

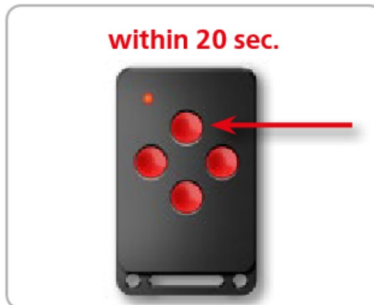### 8.2.1 TUNING IN INDIVIDUAL USER RADIO KEYS (MAX. 25)

⚠️ **For safety reasons, we recommend that you first delete all radio keys when starting up for the first time (see chapter 8.2.3). Then proceed as follows:**
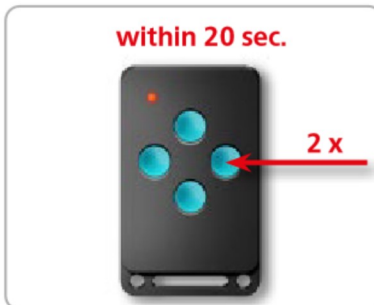
< 1 sec.

1. **Briefly (max. 1 second)** press the programming button on the control unit or radio receiver module with a thin object.

   » The green LED (control) or the red LED (radio receiver module) flashes slowly.

within 20 sec.

2. Now press the master key's front, middle button **within 20 seconds.**

   » If the control unit or the radio receiver module accepts the master key, the green LED lights up for 2 seconds and then continues to flash slowly.
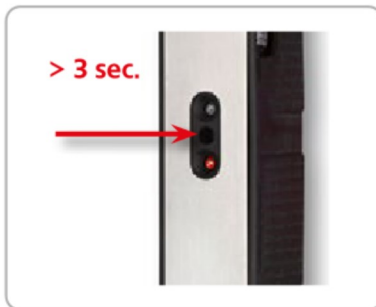
within 20 sec.

2 x

3. **Within 20 seconds**, press a key of the radio key to be paired **twice** in succession. The tuning in procedure is aborted if the 20 second time limit is exceeded.
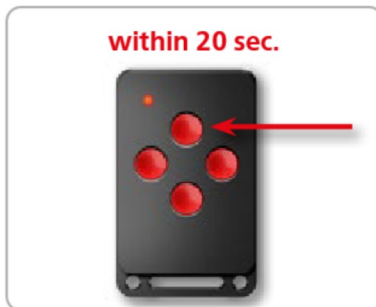
   » If the new radio key has been accepted by the control unit or the radio receiver module, the green LED (controller) lights up for 1 second and the red LED (radio receiver module) for 4 seconds.

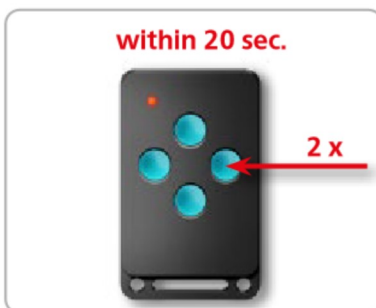4. Repeat from step 1, should you wish to tune in another radio key.

8.2.2 DELETING INDIVIDUAL USER RADIO KEYS

> 3 sec.

1. Press the programming button of the control unit or the radio receiver module **until (longer than 3 seconds) the green LED** (control unit) **or red LED** (radio receiver module) **flashes quickly**.

within 20 sec.

2. Now, press the front, middle button of the master key **within 20 seconds**.

   » If the control unit or the radio receiver module accepts the master key, the green LED initially lights up for 2 seconds and then continues to flash quickly.
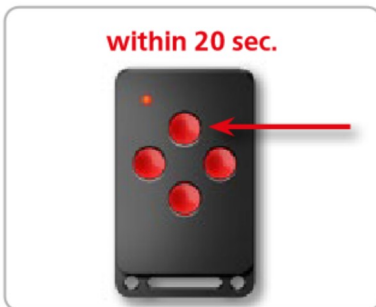
within 20 sec.

2 x

3. **Within 20 seconds**, press the corresponding key of the radio key to be deleted. The deleteprocess is aborted if the 20 second time limit is exceeded.

   » If the transmission code has been successfully deleted, the green LED lights up for 1 second and then goes out.

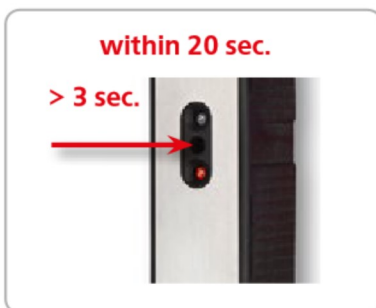4. Repeat from step 1, should you wish to delete another radio key.

8.2.3 DELETING ALL USER RADIO KEYS

> 3 sec.

1. Press the programming button of the control unit or the radio receiver module **until (longer than 3 seconds) the green LED** (control unit) **or red LED** (radio receiver module) **flashes quickly**. Then release the button.

within 20 sec.

2. Now, press the front, middle button of the master key **within 20 seconds**.

   » If the control unit or the radio receiver module accepts the master key, the green LED initially lights up for 2 seconds and then continues to flash quickly.

within 20 sec.

> 3 sec.

3. Now press the programming button on the control unit again **within 20 seconds** for **longer than 3 seconds**. The delete process is aborted if the 20 second time limit is exceeded.

   » If all transmitter codes (except the master transmitter code) have been successful, the green LED (control unit) lights up for 1 s and the red LED (radio receiver module) lights up for 4 seconds.

⚠ **Note:**
If the master key is not recognised during the tuning-in and delete processes, the respective function is aborted.