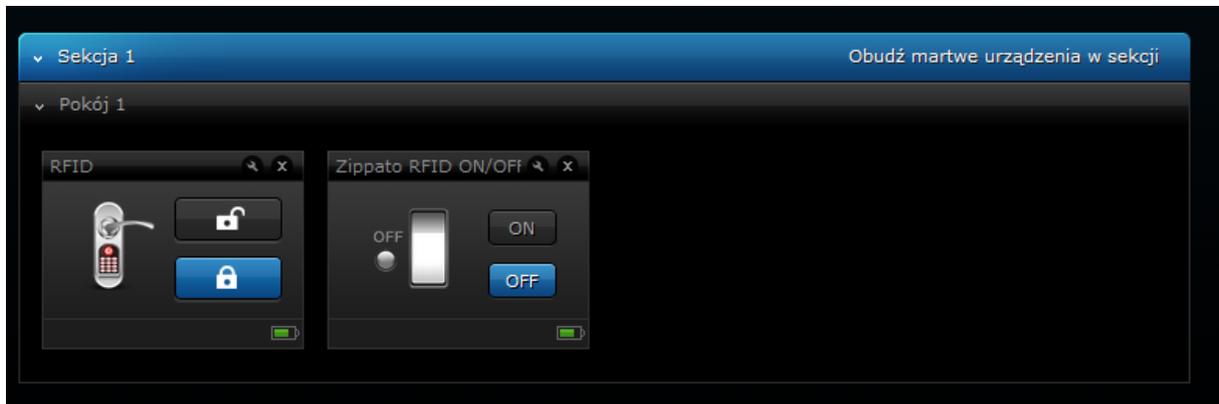
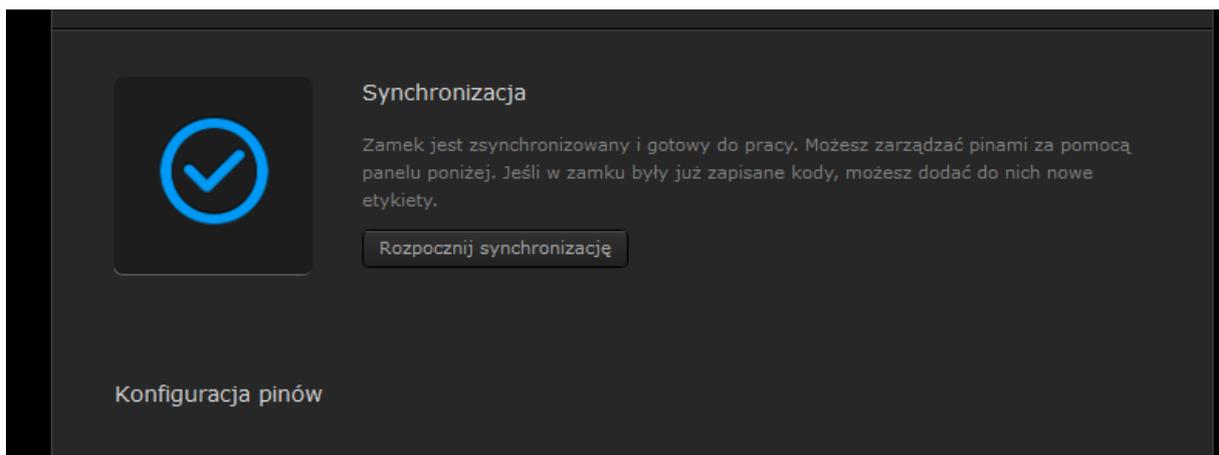


### Zippato RFID implementation in the system:

- 1) Please add the device to the system (according instructions in manual).
- 2) After adding, we get two devices:
  - a) "lock" - used to determine all functionalities
  - b) "switch" - not used in the system (can be hidden).

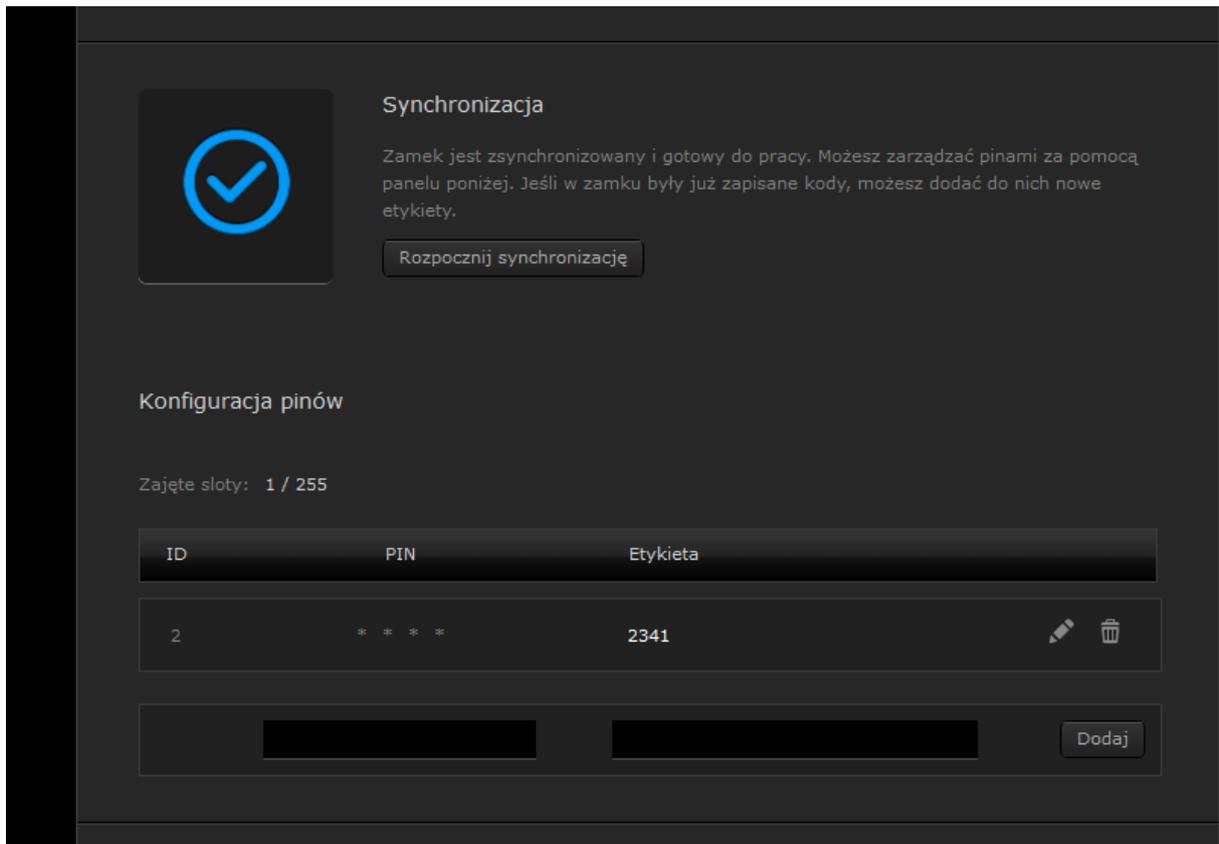


- 3) Now, go to advanced setting of "lock" (named RFID).
- 4) Find "Synchronization" section.



- 5) We can proceed with synchronization RFID with gateway:
  - a) Before synchronizing, please make sure that:
    - the device is close to the control panel
    - has charged (functional) batteries - a very important issue
  - b) Then start the synchronization procedure - press the "Start Synchronization" button
  - c) After starting the synchronization, the device should be "woken up" by calling any action on it (The easiest way is to press the "Home" button and move the RFID tag close to the device in order to accept the action).
  - d) Now we wait for the synchronization to be completed (it may take up to several minutes).

- 6) After successful synchronization process, you should received Users Panel, where you can add individual Pins for each user.



- 7) To add a PIN, fill in the field "PIN" and "Label" and press Add. PIN codes are added in automatic order from user 1 to 255.
- 8) Each Pin can be deleted by "delete/bin" button.

- 9) To each of the RFID Users (set above), you can assign an RFID tag. To do this, use the API of our system:
  - a) Find the ID of your device (RFID) in the system
  - b) Go to the docs- or api of our system using the address: ip\_address /docs
  - c) Find the Devices section and expand the action list
  - d) From the list, choose POST / devices / {deviceID} / action / {actionName}
  - e) The above method is used to add the code of RFID tag to a specific user.

POST /devices/{deviceID}/action/{actionName}
Call action

**Parameters**

Parameter	Value	Description	Parameter Type	Data Type
deviceID	32 ID of device- RFID	ID of an existing device	path	integer
actionName	setUserCodeDec Nazwa akcji	Name of an action	path	string
body	<pre>{   "args": [1,     "143,40,31,11,1,32,2,128,0,0"] }</pre>	Action arguments	body	Model   Model Schema

Parameter content type: application/json

**Error Status Codes**

HTTP Status Code	Reason
400	Bad request
404	Not found

**Request URL**

http://192.168.103.60:80/api/devices/32/action/setUserCodeDec

**Response Body**

```
{
  "id": 0,
  "jsonrpc": "2.0",
  "result": {
    "result": 0
  }
}
```

- 10) If you don't know the RFID code, the best thing to do is check it through the system. After adding device to the system, use the key ring (RFID tag, which we want to assign), to accept "Home" or "Away" action. The easiest way is to press the "Home" button and move the RFID tag close to the device in order to accept the action.

In the notification window, we will see the code for the used RFID tag that we use in the API.

The screenshot shows the Home Center Lite interface. A notification window is open, displaying the following information:

- Time: [17:11:36]
- ID: ID 32: Niezarejestrowany kod
- RFID Code: [143,40,31,11,1,32,2,128,0,0]

The notification window is highlighted with a red rectangle. The interface also shows weather information (POGODA: Temp.: 0°C, Wilg.: 84%, Wiatr: 7km/h) and a navigation bar with icons for Twój dom, Pomieszczenia, Urządzenia, Sceny, Zużycie, Pluginy, Panele, and Konfiguracja.

11) In order to remove a given RFID tag, we also use the API only to change the action name and arguments. (In "Body" we give the user ID for which the keyring was added as an argument).

**POST** /devices/{deviceID}/action/{actionName} Call action

**Parameters**

Parameter	Value	Description	Parameter Type	Data Type
deviceID	<input type="text" value="32"/>	ID of an existing device	path	integer
actionName	<input type="text" value="deleteUserCode"/>	Name of an action	path	string
body	<div style="border: 1px solid #ccc; padding: 5px; min-height: 80px;">{1}</div>	Action arguments	body	Model   Model Schema <b>Arguments {</b> <b>args</b> (array, optional) <b>}</b>

Parameter content type:

**Error Status Codes**

HTTP Status Code	Reason
400	Bad request
404	Not found

[TRY IT!](#)