



REAL SMART HOME

REAL SMART HOME GmbH

**APPMODULE**

# **Nuki Control App** Documentation

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# TABLE OF CONTENTS

- 1 Introduction..... 4**
  - Important information on the operating instructions .....4
- 2 Nuki Control – Functional overview ..... 5**
- 3 The innovative, modular App-concept for the building automation ..... 6**
  - 3.1 Information about the APPMODULE.....6
- 4 App installation / Update ..... 7**
- 5 App Settings ..... 8**
  - 5.1 Instance.....8
  - 5.2 Connection Parameters .....8
  - 5.3 Smart Lock Control Addresses (all settings optional).....9
- 6 Attachment ..... 11**



# 1

## INTRODUCTION

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Thank you for your trust, and the purchase of the Nuki Control-app for the BAB **APPMODULE**. With the Nuki Control-app you get a simple integration of the Nuki Smart Lock devices into the KNX® world. This documentation will help you get started with the app and aims to improve your setup experience.

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### IMPORTANT INFORMATION ON THE OPERATING INSTRUCTIONS

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We reserve the right continually improve the product. This entails the possibility that parts of this documentation might be out-of-date. You will find the latest information at:

[www.bab-appmarket.de](http://www.bab-appmarket.de)

This app is an independent product, with no legal ties to Nuki Home Solutions GmbH. Neither **BAB APP MARKET** GmbH nor the developer are in possession of the above-mentioned trademark.

## 2 NUKI CONTROL – FUNCTIONAL OVERVIEW

Connect your Nuki Smart Lock to the KNX and EnOcean world and control the lock's convenient functions via your existing visualisation or any push-button sensor! With »Nuki Control« you can operate and visualize the Smart Lock with any KNX or EnOcean components, such as sensors and central visualizations. Use information such as the locking status in logic, or integrate locking and unlocking into scenes. Please note that this app only communicates with the Nuki Bridge.

### Highlights:

- Full integration of a Nuki Smart Lock in KNX and EnOcean
- Easy integration
- Use status information in visualizations and scenes

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## 3 THE INNOVATIVE, MODULAR APP-CONCEPT FOR THE BUILDING AUTOMATION

The innovative, modular app concept for building automation. The **APPMODULE** brings the innovative, modular app concept into building automation. You can mix and match any of the diverse applications that are available to integrate third-party solutions. With these apps from the dedicated **BAB APP MARKET**, the **APPMODULE** becomes a tailor-made integration unit for your building automation.

### HOW IT WORKS

**1****PURCHASE AN APPMODULE**

Purchase BAB TECHNOLOGIE's APP MODULE via a wholesaler.

**2****REGISTER**

Register your APP MODULE. Each app is bound to one device.

**3****LOAD APPS**

Buy and download your favorite apps for your APP MODULE.

**4****INSTALL YOUR APPS**

Install your downloaded apps on your APP MODULE. You can start to configure your apps immediately.

Manufacturer of the **APPMODULE** [BAB TECHNOLOGIE GmbH](#)

Distribution of all apps for the **APPMODULE** [BAB APP MARKET GmbH](#)

App developer [REAL SMART HOME GmbH](#)

### 3.1 INFORMATION ABOUT THE APPMODULE

Please refer to the separate product documentation of the **APPMODULE** for a detailed product description and setup instructions.

[http://www.bab-tec.de/index.php/download\\_de.html](http://www.bab-tec.de/index.php/download_de.html)

**Product variants:**

The **APPMODULE** is available in three variants:

- **APPMODULE** KNX/TP – for stand-alone use on KNX/TP Bus
- **APPMODULE** EnOcean – for stand-alone use in the EnOcean wireless network
- **APPMODULE** IP – for use in an IP-based KNX installation (KNXnet/IP) or as extension for an **EIBPORT**

## 4 APP INSTALLATION / UPDATE

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Please proceed as follows to install an App.

1. Open the APPMODULE web page: Enter <IP Address of APPMODULE> into your browser's address bar and press Enter. The APPMODULE web interface will appear.
2. Log in with your user credentials. Please refer to the APPMODULE documentation for login details.
3. Click on the menu entry "App Manager"
4. You are now on the page where already installed Apps are listed. The list will be empty if no apps have been installed. Click "Install App" in order to install a new app.
5. Now click on "Select App"; a file selector window will appear. Choose the app »Nuki Control« and click "OK". The Smart Home App "Nuki Control" must first be downloaded from the BAB APP MARKET ([www.bab-appmarket.de](http://www.bab-appmarket.de)).
6. After the message "Installation successful" appears, click "OK". You are ready to configure the App.
7. To update an already installed app, click on the App icon in the "App Manager".
8. The detail view of the App appears. Click on "Update App" to select the app package and start the update. The update version must be downloaded from the BAB APP MARKET.

After the message "Installation successful" appears, click "OK". The app has been updated. Your instance configurations will remain unchanged.

### **Information**

To configurate the App please use [Google Chrome](#).

## 5 APP SETTINGS

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Connect your Nuki Smart Lock to the KNX and EnOcean world and control the lock's convenient functions via your existing visualisation or any push-button sensor! With »Nuki Control« you can operate and visualize the Smart Lock with any KNX or EnOcean components, such as sensors and central visualizations. Use information such as the locking status in logic, or integrate locking and unlocking into scenes. Please note that this app only communicates with the Nuki Bridge.

### 5.1 INSTANCE

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#### **Information**

The browser-session expires after a period of 60 minutes due to inactivity. Unsaved changes to the configuration will be lost.

As soon as the App is installed, you can create so called "Instance". An Instance is one of several objects of the same class.

#### **Instance Name:**

Choose a name for this new instance.

#### **Comment:**

Insert a description what this instance does.

### 5.2 CONNECTION PARAMETERS

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#### **Nuki Bridge Address:**

Insert the IP address and port of the Nuki Bridge (example: 123.456.789.0:8080). This parameter will be stored in the APP MODULE for use on every instance. In order to make this APP function properly, we recommend not using the Nuki Software Bridge to communicate with Nuki Smart Locks.

#### **Nuki Bridge Token:**

Insert the Nuki Bridge Token. Press the button below to make sure that all inserted connection parameters are valid. This parameter will be stored in the APP MODULE for use on every instance.

#### **Nuki Smart Lock:**

Choose the Nuki Smart Lock to be controlled by this instance.

#### **Callback Port:**

Insert the port of the APP MODULE through which it can receive callback information from the bridge. This parameter will be stored in the APP MODULE for use on every instance.

#### **Connection Status:**

Insert the group address of the connection status indicator. The following values and their corresponding statuses are as follows:

- 0: No connection errors.
- 1: The selected smart lock has not been added or has been removed.
- 2: Bridge authentication pending.
- 3: The bridge could not be found.



## 5.3 SMART LOCK CONTROL ADDRESSES (ALL SETTINGS OPTIONAL)

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### **Lock Action:**

Insert the group address for lock action. Possible values and their corresponding lock actions are as follows:

- 1: unlock
- 2: lock
- 3: unlatch
- 4: Lock'n'Go
- 5: Lock'n'Go with unlatch

### **Unlock (EIS 1):**

Insert the group address for the unlock command. Send 1 to unlock (default).

### **Swap Unlock Value:**

Check this box if you want to swap the value which triggers the unlock control and also indicates the unlock status (send 0 to unlock).

### **Lock (EIS 1):**

Insert the group address for the lock command. Send 1 to lock (default).

### **Swap Lock Value:**

Check this box if you want to swap the value which triggers the lock control and also indicates the lock status (send 0 to lock).

### **Lock Status:**

Insert the group address for the lock status. Possible values and their corresponding statuses are as follows:

- 0: uncalibrated
- 1: locked
- 2: unlocking
- 3: unlocked
- 4: locking
- 5: unlatched
- 6: unlocked (Lock'n'Go)
- 7: unlatching
- 254: motor blocked
- 255: undefined

### **Unlocked Status (EIS 1):**

Insert the group address for the unlocked status. A 1 indicates that the device is unlocked (default).

### **Unlocked Status (Lock 'n' Go) (EIS 1):**

Insert the group address for the unlocked status (Lock 'n' Go). A 1 indicates that the device is unlocked (default).

### **Locked Status (EIS 1):**

Insert the group address for the locked status. A 1 indicates that the device is locked (default).

### **Lock Status Name:**

Insert the group address for the lock status name.

**Battery Status:**

Insert the group address for the battery status (0: battery level normal, 1: battery level critical).

**Name Display:**

Insert the group address of the Smart Lock name display.

## 6 ATTACHMENT

function	EIS type	DPT	typical function	typical values	data	identifier
PriorityPosition	EIS1	DPT 1*	Wind alarm	1=high and inhibit	1 Bit	1-bit
Switch	EIS1	DPT 1*	Light switching	0=Off; 1=On	1 Bit	1-bit
DimControl	EIS2	DPT 3*	Dimming	0=Off; 1=On xxx=relative dimming 0-255=absolute dimming	1Bit 4Bit 8Bit	3-bit controlled
Time	EIS3	DPT 10*	Time	Hhh:mm:ss	3 Byte	Time
Date	EIS4	DPT 11*	Date	dd:mm:yyyy	3 Byte	Date
Value	EIS5	DPT 9*	Value	[-671088.64 ... 670760.96]	1Byte	2-byte float value
DimValue	EIS6	DPT 5*	Percent	0-100%	1Byte	8-bit unsigned value
DriveBlade Value	EIS6	DPT 5*	Position value	0-100%; 0-255	1Byte	8-bit unsigned value
DriveShutter Value	EIS6	DPT 5*	Position value	0-100%; 0-255	1Byte	8-bit unsigned value
Position	EIS6	DPT 5*	Control value Heating	0-100%; 0-255	1Byte	8-bit unsigned value
DriveMove	EIS7	DPT 1*	Move shutter	0=up 1=down	1Bit	1-bit
DriveStep	EIS7	DPT 1*	Adjusting the slat blind	0=up; 1= down; 0 or 1 during movement=stop	1Bit	1-bit
PriorityControl	EIS8	DPT 2*	Priority	0,1 switch; 3=forced off; 4=forced on	2Bit	1-bit controlled
FloatValue	EIS9	DPT 14*	IEEE	Floating-point value	4 Byte	4-byte float value
Counter 16bit	EIS10	DPT 7*	Counter 16 bit	0 - 65.535	2Byte	2-byte unsigned value
Counter 16bit	EIS10	DPT 8*	Counter 16 bit with sign	-32.768 - 32.767	2Byte	2-byte signed value
Counter 32bit	EIS11	DPT 12*	Counter 32 bit	0 - 4.294.967.295	4Byte	4-byte unsigned value
Counter 32bit	EIS11	DPT 13*	Counter 32 bit with sign	0 - 4.294.967.295	4Byte	4-byte signed value
Access Control	EIS12	DPT 15*	Access control	Card number	4Byte	Entrance access
Char	EIS13	DPT 4*	ASCII characters	Character	1Byte	Character
Counter 8bit	EIS14	DPT 5*	Value	0 - 255	1Byte	8-bit unsigned value
Counter 8bit	EIS14	DPT 6*	Value with sign	-128 - 127	1Byte	8-bit signed value
String	EIS15	DPT 16*	String	max. 14 characters	14 Byte	Character string

EIB/KNX devices exchange fixed prescribed data formats with each other. These are defined in types. The old designations of the types are EIS (EIB Interworking Standard)  
The new designations are DPT (Data Point Type)