REAL SMART HOME

REAL SMART HOME GmbH

APPMODULE

RE:BLINDS App
Documentation

Version: 1.0.7
Type: Application
Article No.: BAB-005

REAL SMART HOME

REAL SMART HOME GmbH

Hörder Burgstraße
D-44263 Dortmund

Email: info[at]realsmarthome.de

Tel.: +49 (0) 231-586974-00
Fax.: +49 (0) 231-586974-15
www.realsmarthome.de

TABLE OF CONTENTS

1   INTRODUCTION

Thank you for your trust, and the purchase of the **RE:BLINDS** -app for the BAB **APP**MODULE. The **RE:BLINDS** - app upgrades you existing blinds control with position control and position tracking. This documentation will help you get started with the app and aims to improve your setup experience.

REAL SMART HOME GmbH

IMPORTANT INFORMATION ON THE OPERATING INSTRUCTIONS

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 This entails the possibility that parts of this documentation might be out-of-date.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

2   RE:BLINDS – FUNCTIONAL OVERVIEW

This app allows you to control and track the position of a roller blind which does not communicate its position independently. With the help of a time reference (the times for raising and lowering are thus manually determined), all of the functions of modern roller blind actuators can also be implemented on older systems.

3 THE INNOVATIVE, MODULAR APP-CONEPT FOR THE BUILDING AUTOMATION

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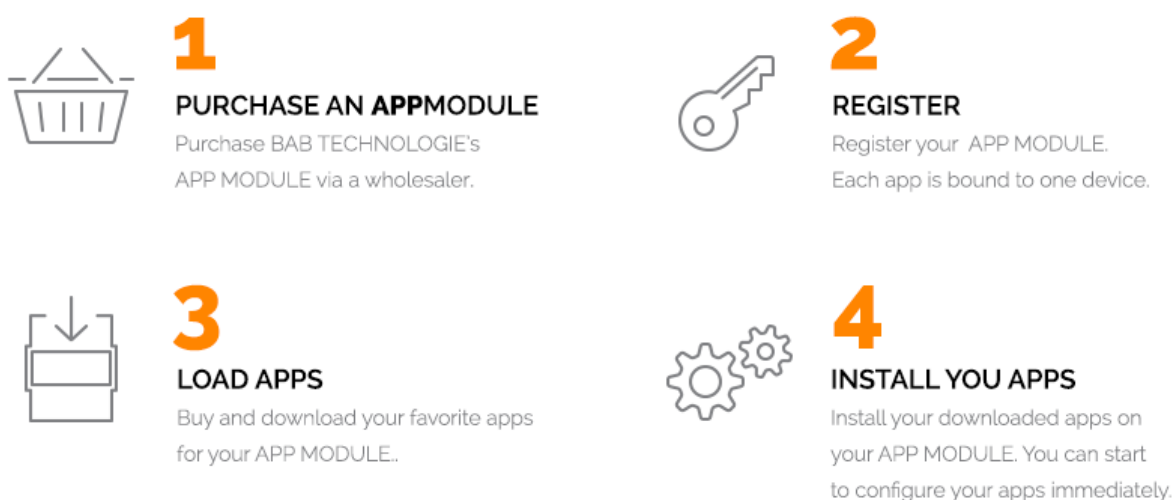
HOW IT WORKS

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

Figure 1: APPMODULE - How it works

Manufacturer of the **APP**MODULE

http://bab-tec.de/

Distribution of all apps for the **APP**MODULE

https://www.bab-appmarket.de/de/

App developer

http://www.realsmarthome.de/

3.1 INFORMATION ABOUT THE APPMODULE

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

http://www.bab-tec.de/index.php/download_de.html

Product variants:
The **APP**MODULE is available in three variants:

- **APP**MODULE KNX/TP – for stand-alone use on KNX/TP Bus
- **APP**MODULE EnOcean – for stand-alone use in the EnOcean wireless network
- **APP**MODULE Extension – for use in an IP-based KNX installation (KNXnet/IP) or as extension for an EIB**PORT**

4   APP INSTALLATION / UPDATE

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 »AddTach« and click "OK". The Smart Home App "AddTach" must first be downloaded from the BAB APP MARKET (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

This app allows you to control and track the position of a roller blind which does not communicate its position independently. With the help of a time reference (the times for raising and lowering are thus manually determined), all of the functions of modern roller blind actuators can also be implemented on older systems.

5.1   INSTANCE

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.

In order to create an instance, click on the following symbol "Create Instance".

Instance Name:
Choose a name for this new instance.

Comment:
Insert a description what this instance does.

5.1.1   GENERAL SETTINGS

Time Down

Insert the amount of time the shutter needs to completely move from top to bottom in seconds.

Time Up

Insert the amount of time the shutter needs to completely move from bottom to top in seconds.

Minimum

Insert a minimal position for the Bookmark Toggle in %.

Maximum

Insert a maximal position for the Bookmark Toggle in %.

Invert

  - Up 0; Down: 1
  - Up 1; Down: 0

Init Drive

Check if you want to drive the shutters automatically to the top every time the app is being started. An Initial Drive makes sure the app can correctly indicate the current position. Without an Initial Drive, the current position can not be indicated correctly at all if the shutter is not at the top when the app starts..

5.1.2   GROUP ADDRESSES

Down/Up (EIS 1)

Insert group address of the shutter movement button (1: down, 0: up).

Stop (EIS 1)

Insert group address of the stop button.

Bookmark Toggle (EIS 1)

Insert group address of the toggle-switch to automatically drive the shutter to max or min (1: max, 0: min).

Position (EIS 6)

Insert Group address for position control. This control can be used correctly only if the shutter is at the top when the app starts or if the Initial Drive is executed.

Position Feedback (EIS 6)

Insert Group address for position feedback. This control can be used correctly only if the shutter is at the top when the app starts or if the Initial Drive is executed.

Wind Alarm (EIS 1)

Insert group address of the wind alarm (1: on, 0: off).

6 ATTACHMENT

function	EIS type	DPT	typical function	typical values	data	identifier
PriorityPosi-tion	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 xxxx=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
PriorityCont-rol	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)