REAL SMART HOME

REAL SMART HOME GmbH

APPMODULE

PushIT App Documentation

Version: 1.0.14
type: Application
Article No.: BAB-024

Documentation version I
Actual state 09/19
Date: 17. September 2019

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1 INTRODUCTION

Thank you for your trust, and the purchase of the **PushIT** -app for the BAB **APP**MODULE. With the **PushIT** - app you obtain professional integration of the **PushIT** notification service into building automation. 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

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 This entails the possibility that parts of this documentation might be out-of-date.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

This app is an independent product, with no legal ties to Philips®. Neither **BAB** APP MARKET GmbH nor the developers of this app take any claim in the trademarks owned by Pushbullet®.

2 PUSHIT – FUNCTIONAL OVERVIEW

Stay up to date! »**PushIT**« brings the push notification service to building automation. With the help of technology from PushBullet, it is thus possible to transmit images or text messages almost instantaneously. Activities at your door station, for example, – including camera snapshots (!) – can thus be »pushed« to your mobile phone. Likewise, values from temperature sensors, motion detectors or air quality sensors can be used as notifications. The conditions – e.g. if values are exceeded – are freely definable. As a result, any possible data type can be used to trigger a notification.

2.1 HIGHLIGHTS

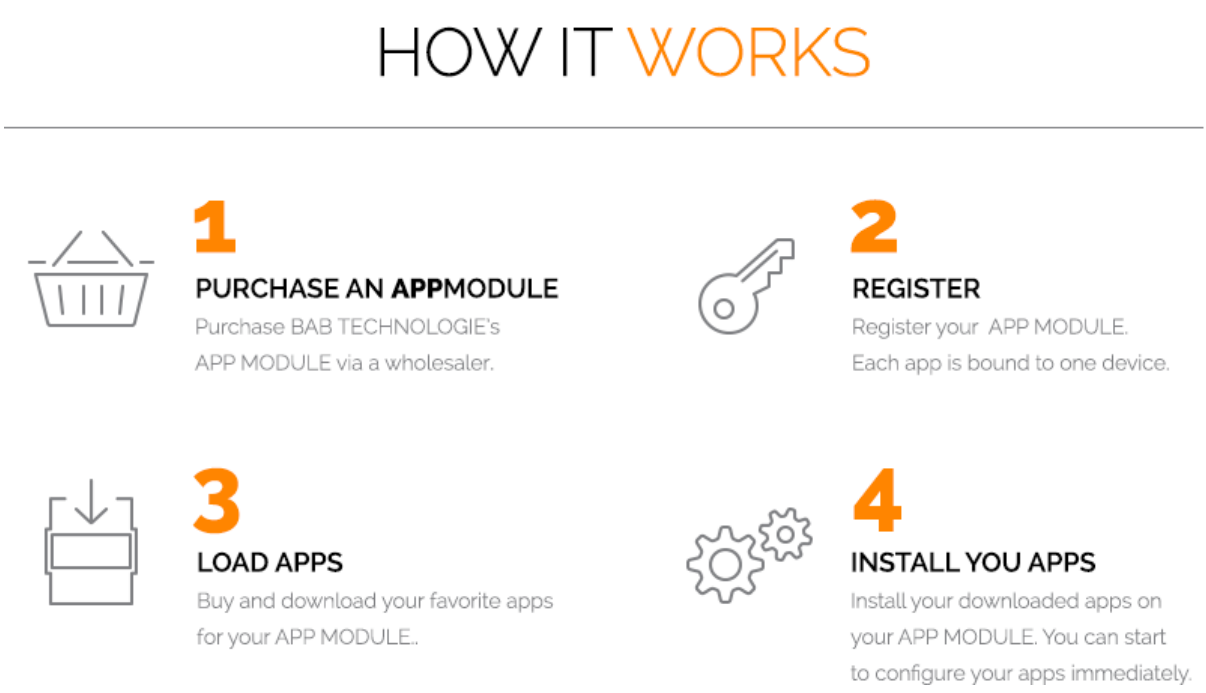
- 128 rules for push messages

2.2 PER RULE

- Any data type for triggering a notification
- Conditions for notification: Value: any, larger, smaller, equal
- Optional value entry, any data type
- Freely definable message text (supplemented with the trigger value at any point in the text)
- Free definition of the URL for an image which is attached to a notification
- Username and password for HTTP Basic authentication (useful for protected image URLs; e.g. webcams)

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.



Manufacturer of the **APP**MODULE BAB TECHNOLOGIE GmbH

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

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 »PushIT« and click "OK". The Smart Home App "PushIT" 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

Stay up to date! »**PushIT**« brings the push notification service to building automation. With the help of technology from PushBullet, it is thus possible to transmit images or text messages almost instantaneously. Activities at your door station, for example, – including camera snapshots (!) – can thus be "pushed" to your mobile phone. Likewise, values from temperature sensors, motion detectors or air quality sensors can be used as notifications. The conditions – e.g. if values are exceeded – are freely definable. As a result, any possible data type can be used to trigger a notification.

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 SETTINGS

Pushbullet Access Token:

Insert the access token of your Pushbullet account. You can find it under "Account Settings" on pushbullet.com.

APPMODULE Nickname:

Assign a nickname to your **APP**MODULE. Your **APP**MODULE will then be registered as a Pushbullet device under this nickname.

5.1.2 RULES

Rules

Up to 128 rules can be configured and compiled on this list. Click 'Add' for further details concerning configuration parameters of each list component.

Name

Insert the name of the rule. This will also be set as the title of the notification.

Pushbullet Devices

Select Pushbullet Device

Trigger Address

Insert the group address of the KNX device which triggers the push.

Trigger Data Type

Insert the data type of the trigger value.Select Pushbullet Device

- EIS_2_rel
- EIS_9
- 2 Byte FP
- 0%..100%
- 2 Byte 0..65535
- 4 Byte -2147483648..2147483647
- 1 Byte -128..127
- 1 Byte 0..255
- EIS_10s
- EIS_11u
- EIS_14s
- 4 Byte FP
- EIS_1
- EIS_10u
- EIS_11s
- EIS_14u
- EIS_15
- 1 Bit
- Relative Dimming
- EIS_2_abs
- EIS_2_switch
- EIS_5
- EIS_6
- 2 Byte -32768..32767
- 4 Byte 0..4294967295

Send if incoming value...

Set a condition in relation to the threshold to trigger the push notification.

- is arbitary (no threshold)
- is equal to threshold
- is greater than threshold
- is less than threshold

Threshold

Insert the threshold.

Value Address

Insert the group address of the KNX device, so you can add the incoming value to the notification. This setting is optional.

Value Data Type

Insert the data type of the value.

- 1 Byte 0..255
- EIS_2_rel
- EIS_6
- EIS_9
- EIS_10s
- EIS_14s
- 1 Byte -128..127
- 2 Byte FP
- 4 Byte 0..4294967295
- EIS_1
- EIS_2_switch
- EIS_10u
- EIS_14u
- 1 Bit
- Relative Dimming
- EIS_2_abs
- EIS_11s
- EIS_11u
- EIS_15
- 0%..100%
- 2 Byte -32768..32767
- EIS_5
- 4 Byte FP
- 2 Byte 0..65535
- 4 Byte -2147483648..2147483647

Message

Insert a message to be included within the notification. This setting is optional. If you specify a value object, its current value will be attached at the end of the message by default. To insert the value anywhere within the message instead, just add %d for decimal values, %f for floating point values or %s for strings at any position into the text. Please note that expert settings for the wildcard are possible. Check sprintf documentation. For example %02d will output one digit integer values as 0x instead of x.

URL

Insert a URL of an image file to be attached to the notification. This setting is optional. In case the image cannot be accessed, only the message configured above will be sent.

Username

Insert a username in case accessing the URL needs authentication.

Password

Insert a password in case accessing the URL needs authentication.

6 ATTACHMENT

function	EIS type	DPT	typical function	typical values	data	identifier
PriorityPosi-tion	EIS1	DPT1	Wind alarm	1=high and inhibit	1 Bit	1-bit
Switch	EIS1	DPT1	Light switching	0=Off; 1=On	1 Bit	1-bit
DimControl	EIS2	DPT3	Dimming	0=Off; 1=On xxxx=relative dimming 0-255=absolute dimming	1Bit 4Bit 8Bit	3-bit controlled
Time	EIS3	DPT10	Time	Hhh:mm:ss	3 Byte	Time
Date	EIS4	DPT11	Date	dd:mm:yyyy	3 Byte	Date
Value	EIS5	DPT9	Value	0-255	1Byte	2-byte float value
DimValue	EIS6	DPT5	Percent	0-100%	1Byte	8-bit unsigned value
DriveBlade Value	EIS6	DPT5	Position value	0-100%; 0-255	1Byte	8-bit unsigned value
DriveShutter Value	EIS6	DPT5	Position value	0-100%; 0-255	1Byte	8-bit unsigned value
Position	EIS6	DPT5	Control value Heating	0-100%; 0-255	1Byte	8-bit unsigned value
DriveMove	EIS7	DPT1	Move shutter	0=up 1=down	1Bit	1-bit
DriveStep	EIS7	DPT1	Adjusting the slat blind	0=up; 1= down; 0 or 1 during movement=stop	1Bit	1-bit
PriorityCont-rol	EIS8	DPT2	Priority	0,1 switch; 3=forced off; 4=forced on	2Bit	1-bit controlled
FloatValue	EIS9	DPT14	IEEE	Floating-point value	4 Byte	4-byte float value
Counter 16bit	EIS10	DPT7	Counter 16 bit	0 - 65.535	2Byte	2-byte unsigned value
Counter 16bit	EIS10	DPT8	Counter 16 bit with sign	-32.768 - 32.767	2Byte	2-byte signed value
Counter 32bit	EIS11	DPT12	Counter 32 bit	0 - 4.294.967.295	4Byte	4-byte unsigned value
Counter 32bit	EIS11	DPT13	Counter 32 bit with sign	0 - 4.294.967.295	4Byte	4-byte signed value
Access Control	EIS12	DPT15	Access control	Card number	4Byte	Entrance access
Char	EIS13	DPT4	ASCII characters	Character	1Byte	Character
Counter 8bit	EIS14	DPT5	Value	0 - 255	1Byte	8-bit unsigned value
Counter 8bit	EIS14	DPT6	Value with sign	-128 - 127	1Byte	8-bit signed value
String	EIS15	DPT16	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)