REAL SMART HOME

REAL SMART HOME GmbH

APPMODULE
TransREDApp
Documentation

Version: 1.0.3
Type: Application
Article No.: BAB-019

Documentation version I
Actual state 09/19
Date: 12. September 2019

EN

REAL SMART HOME GmbH

Hörder Burgstraße
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 **TrancRED** -app for the BAB **APP**MODULE. With the **TransRED** - app you can integrate consumer electronics into building automation. 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 This entails the possibility that parts of this documentation might be out-of-date.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

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

2 TRANCRED– FUNCTIONAL OVERVIEW

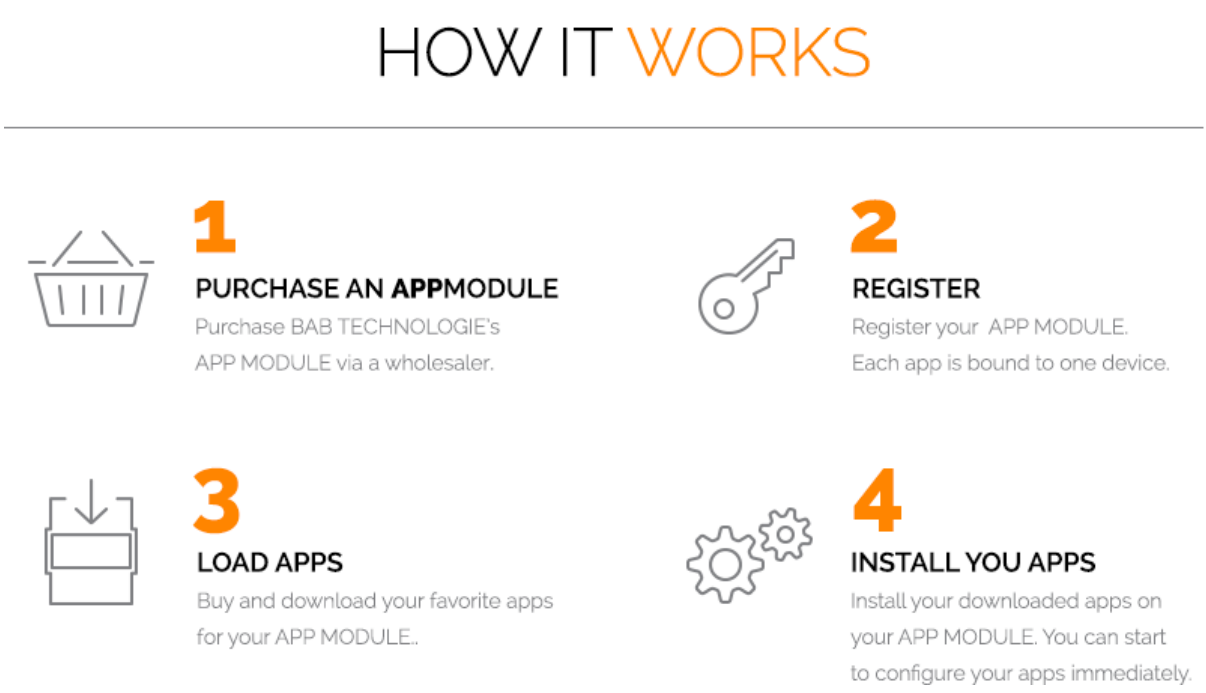
With the help of the IR-Trans LAN gateway, **TransRED** connects all infrared devices to your KNX® building control. Almost all infrared codes possible. It is thus possible to integrate almost the entire range of current household electronics into building automation.

2.1.1 HIGHLIGHTS

- Trigger 128 freely definable IR commands via 1 bit or 1 Byte
- Use IR commands from the IR-Trans DB
- Global or individual triggering possible

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 and click "OK". The App 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

With the help of the IR-Trans LAN gateway, **TransRED** connects all infrared devices to your KNX® building control. Almost all infrared codes possible. It is thus possible to integrate almost the entire range of current household electronics into building automation.

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 CONNECTION PARAMETERS

IRTrans IP

Insert the IP address of your IRTrans (it must have a static IP for the app to work reliably).

Destination Port

The port number on which your IRTrans listens (default is 21000).

Ping Interval

Defines the interval, in seconds, with which the IRTrans should be pinged.

5.1.2 GROUP ADDRESSES

General Trigger Address

Insert the group address with which IR commands should be triggered. You can override this setting within each IR command below.

IR Commands

Up to 128 IR commands, each triggered by KNX devices, can be configured and compiled on this list. Click 'Add' for further details concerning configuration parameters of each list component.

IR Command Name

Assign a name to this IR command.

Remote Name

Insert the Name of the Remote where the IR command that is to be triggered by the KNX device is stored in.

Command Name

Insert the stored Name assigned to the command that is to be triggered by the KNX device.

LED Select

Choose LED that is to be used when emitting the IR command.

- extern
- both
- device default
- intern

IRTrans Module Input

Insert a value to choose the IRTrans module you want to emit the command from. Leave a blank to use all IRTrans modules in your Network.

Netmask

Insert a 16 bit Netmask in order to choose a bus module. Leave a blank to select all modules.

Trigger Address

Insert the group address which should trigger the IR command. This setting is optional. If left blank the general trigger address will be used.

Data Type

Choose the data type of the value.

- EIS 1
- EIS 14u
- 1 Bit
- 1 Byte 0..255

Value

Assign a value to the KNX device with which the IR command can be triggered. Note that the value must be in range of the data type for the device to function properly.

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)