REAL SMART HOME

REAL SMART HOME GmbH

APPMODULE

Busch-Radio iNet App Documentation

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1 INTRODUCTION

Thank you for your trust, and the purchase of the Busch-Radio iNet-app for the BAB **APP**MODULE. This app allows you to integrate »Busch-Radio iNet« into your KNX® or EnOcean® 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 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 This entails the possibility that parts of this documentation might be out-of-date.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 BUSCH-JAEGER. Neither **BAB** APP MARKET GmbH nor the developer of this app take any claim in the trademarks owned by BUSCH-JAEGER

2 BUSCH-RADIO INET – FUNCTIONAL OVERVIEW

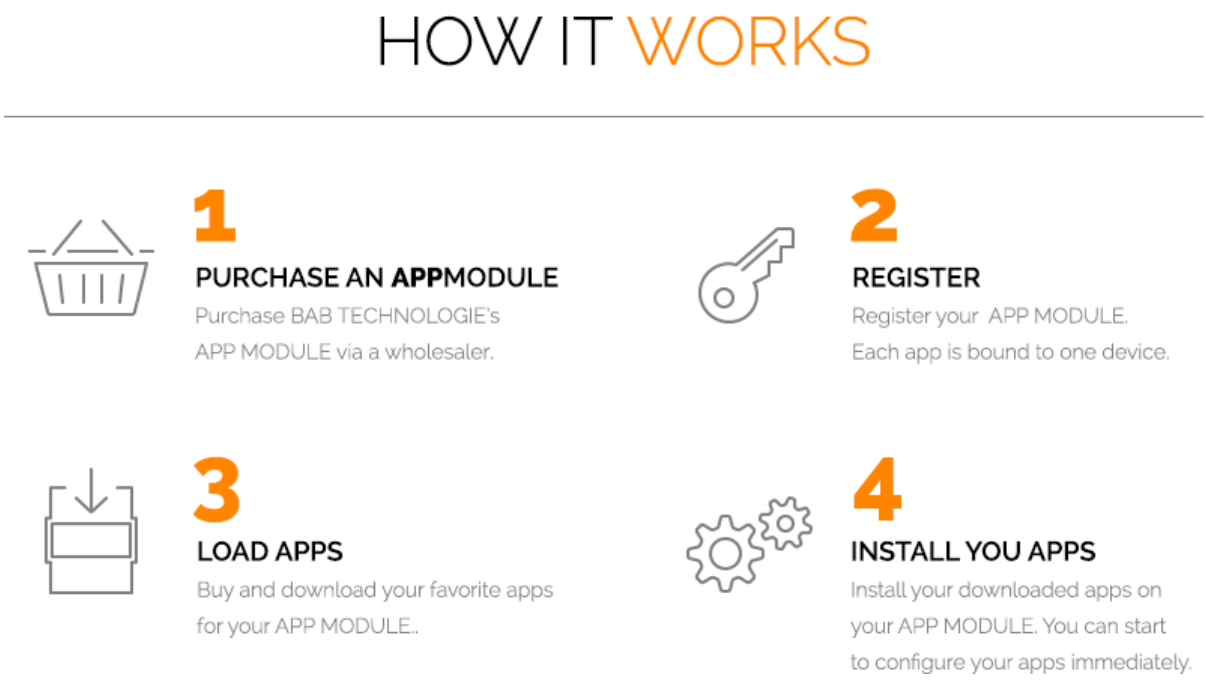
This app enables you to easily integrate»Busch-Radio iNet« in your KNX®- oder EnOcean® System.

HIGHLIGHTS

- Switching On/Off via EIS1 (Control and Callback Address)
- Volume control via EIS6, EIS1 und EIS2 (Control and Callback Address)
- Absolute Volume Control via EIS6
- Relative Volume Control via EIS1
- Volume Dimming via EIS2
- Mute via EIS1 (Control and Callback Address)
- Channel selection via EIS14u (Control and Callback Address)
- Text output of current playback status

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 / 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 »Busch-Radio iNet« and click "OK". The Smart Home App "Busch-Radio iNet" 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

Control and automate your Busch-Radio iNet-devices via KNX® and EnOcean®. Each Busch-Radio iNet-device requires one instance of the app to be created.

5.1 INSTANCE

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.

5.2 CONNECTION PARAMETER

Select Radio:

Select one iNet Radio from your Network which should be controlled.

The radio can be found if the app support (Web-Interface "/app.shtml") is enabled and the radio is located in the same network (subnet) as the APPMODULE.

Status indicator (EIS1):

Indicates if the radio was sighted in the last minutes

Switch on/off (EIS1):

Switch the radio into standby and back on.

This feature is only available if the radio is in the "Premium" energy mode.

Switch on/off - Callback (EIS1):

Status callback of the radio power status

5.3 VOLUME CONTROL (ALL SETTINGS ARE OPTIONAL)

Absolute Volume (EIS 6):

Set the absolute volume. The radio has only 31 internal volume steps. The given value will be translated to this range.

Absolute Volume - Callback (EIS 6):

Status Callback for volume level changes.

Relative Volume (EIS 1):

Use this setting to increase or decrease the volume for one step (The radio has only 31 internal volume steps)

Dim Volume start/stop (EIS 2):

Use this setting for relative dimm instructions

Dim Volume with step length (EIS2):

Use this setting for relative dimm instructions

Mute (EIS 1):

Mute or unmute the radio

Mute - Callback (EIS 1):

Status callback of the radio mute state

5.4 PLAYBACK (ALL SETTINGS OPTIONAL)

Select Radio Station (EIS14u)

Address to select one configured radio station (1-255)

Radio Station - Callback (EIS14u)

Status callback for one configured radio station

Assign "Favorites"

Select one of the radio favorites

Station

The station which should be played.

Selection Value (1-255)

Value to select the radio station chosen above.

Source Selection (EIS 14u)

Select source

- 1 - Favorites
- 2 - Aux/iDock
- 3 - TuneIn
- 4 - UPNP

All other values will be ignored.

Source Selection - Callback (EIS 14u)

Status callback for the current played/selected source

- 0 - Nothing
- 1 - Favorites
- 2 - Aux/iDock
- 3 - TuneIn
- 4 - UPNP

Source Name - Callback (EIS 15)

Status callback for the current played/selected source

Text info (EIS 15)

Information's to the current playback status

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	1Bit	1-bit

				movement=stop		
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)