



REAL SMART HOME

REAL SMART HOME GmbH

APPMODULE

TIME App Documentation

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INTRODUCTION

Thank you for your trust, and the purchase of the app TIME for the BAB **APPMODULE**. With this app you can easily send time and date information to the KNX bus. Simply select the desired time zone, interval and target address. With the Pro version of this app you can easily define up to ten different time senders, each with different time zones. 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 This entails the possibility that parts of this documentation might be out-of-date.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

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TIME – FUNCTIONAL OVERVIEW

"TIME" sends an NTP server-based time signal including date and time to the KNX bus. Configure up to 10 different time zones for remote properties or for visualization.

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 ingrate 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 YOU 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

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

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.



5 APP SETTINGS

With this app, you can easily send time and date information to the KNX bus. Simply select the desired time zone, the interval and the target address. The time interval is always calculated from the last trigger time. A trigger signal is triggered via the group address (trigger) when the instance is saved or the APP MODULE is restarted. With the Pro version of this app, you can easily define up to ten different timers, each with different time zones.

5.1 TIME – INSTANCE CONFIGURATION

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 symbol "Create Instance".

Instance Name:

Choose a name for this new instance.

Comment:

Insert a description what this instance does.

5.2 CONFIGURATION DATE-SENDER

Date (EIS 4):

Group address to which the date is sent. The date will be sent automatically at midnight, upon trigger events or in specified interval.

Trigger (EIS 1):

If you send a "1" to this group address, the current date will be sent.

Send interval (Hours):

Enter interval from 1 to 60. The default value is 12 (hours). Value 0 means that the date will be sent once per day, at midnight.

5.3 CONFIGURATION TIME-SENDER

Time (EIS 3)

Group address to which the time is sent.

Trigger (EIS 1)

If you send a 1 to this group address, the current time will be sent.

Send interval (Seconds)

Enter a value from 1 to 60. The default value is 60.

5.4 DATE AND TIME CONFIGURATION

Date and Time (DPT 19.001 8 Byte (date and time combined))

Group address to which the date and the time will be sent.

Trigger

If you send a 1 to this group address, the current date and time will be sent.

Send interval (Seconds)

Enter a value from 1 to 60. The default value is 60.

5.5 TIME ZONE SELECTION

Region:

Choose region in the selection box.

Time zone:

Choose time zone in the selection box.



6 ATTACHMENT

6.1 DATAPOINT TYPES

Function	EIS type	Data point type	Typical value	Data	Identifier
Switching	EIS 1	DPT 1.yyy	[0] = Off FALSE; [1] = On TRUE	1 Bit	1-bit
Relative Dimming	EIS 2	DPT 3.yyy	„Dimming steps“: [[0],[2...7]] Darker [2, 4, 8, 16, 32, 64] -Steps and [[1],[2...7]] Brighter [2, 4, 8, 16, 32, 64]-Steps „Start/Stop Dimming“: [0,8] Stop; [1] Darker und [9] Brighter	4 Bit	4-bit
Time	EIS 3	DPT 10.yyy	hh:mm:ss	3 Byte	Time
Date	EIS 4	DPT 11.yyy	dd:mm:yyyy	3 Byte	Date
Floating point number (short)	EIS 5	DPT 9.yyy	-671 088,64 ... 670 433,28	2 Byte	2-byte float value
Percent, Position, Brightness, ...	EIS 6	DPT 5.yyy	0 ... 100%	1 Byte	8-bit unsigned value
Blinds Drive/adjust	EIS 7	DPT 1.yyy	[0] = up; [1] = down When driving [0,1] = stop	1 Bit	1-bit
Priority	EIS 8	DPT 2.yyy	[0], [1] Switch on, off; [3] = Forced off; [4] = Forced on	2 Bit	1-bit controlled
IEEE Floating point number (long)	EIS 9	DPT 14.yyy	4-Octet float value; IEEE 754	32 Bit	4-byte float value
Counter 16 Bit Unsigned	EIS 10u	DPT 7.yyy	0 ... 65.535	16 Bit	2-byte unsigned value
Counter 16 Bit Signed	EIS 10	DPT 8.yyy	-32.768 ... 32.767	16 Bit	2-byte signed value
Counter 32 Bit Unsigned	EIS 11u	DPT 12.yyy	0 ... 4.294.967.295	32 Bit	4-byte unsigned value
Counter 32 Bit Signed	EIS 11	DPT 13.yyy	-2.147.483.648 ... 2.147.483.647	32 Bit	4-byte signed value
Access control	EIS 12	DPT 15.yyy	Access data	4 Byte	Entrance access
ASCII Character	EIS 13	DPT 4.yyy	Char	1 Byte	Character
Counter 8 Bit Unsigned	EIS 14u	DPT 5.yyy	0 ... 255	8 Bit	8-bit unsigned value
Counter 8 Bit Signed	EIS 14	DPT 6.yyy	-128 ... 127	8 Bit	8-bit signed value
String	EIS 15	DPT 16.yyy	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)