



REAL SMART HOME

REAL SMART HOME GmbH

APPMODULE

Homematic Control App Documentation

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REAL SMART HOME GmbH

STILWERK Dortmund
Rosemeyerstr. 14
D-44139 Dortmund

Email: [info\[at\]realsmarthome.de](mailto:info[at]realsmarthome.de)

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

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1 INTRODUCTION

Thank you for your trust, and the purchase of the app »Homematic Control« for the **BAB APPMODULE**. With »Homematic Control« you get one of the most easy and convenient integrations of your HomeMatic®-device into building automation with the standards KNX® and EnOcean®. 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 This entails the possibility that parts of this documentation might be out-of-date.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 eQ-3 AG. Neither **BAB APP MARKET** GmbH nor the developer of this app take any claim in the trademarks owned by eQ-3 AG.

2 HOMEMATIC CONTROL – FUNCTIONAL OVERVIEW

This app allows HomeMatic®-components to easily be connected to a building automation system based on KNX® or EnOcean. Integrate motion detectors, shutter contacts, smoke alarms, radiator thermostats, and much more in an instance. With this version of the app feature the integration of up to 30 devices.

HIGHLIGHTS

Integrate up to 30 devices

Supports:

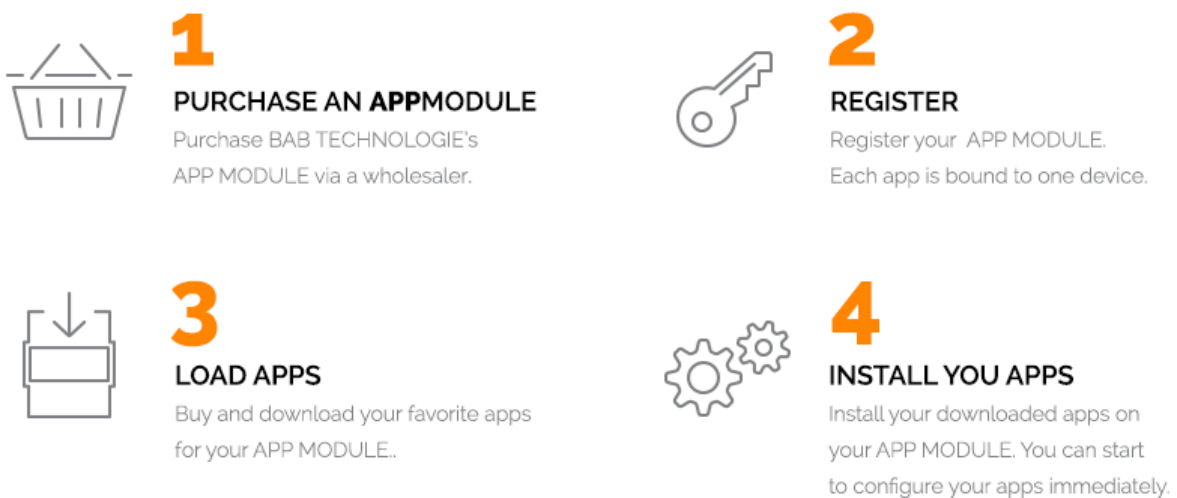
- Wireless switch actuator with power metering
- Wireless Rain sensor
- Wireless push button
- Wireless radiator thermostat
- Wireless smoke alarm
- Wireless shutter contact
- Wireless dimming actuator
- Wireless weather data sensor
- Wireless capacitive filling level sensor
- Wireless water detection sensor
- Wireless motion sensor

This app is a third-party product. It is not affiliated in any way with HomeMatic®.

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 integrate 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



Manufacturer of the **APPMODULE**

<http://bab-tec.de/>

Distribution of all apps for the **APPMODULE**

<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 **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

You can install and manage apps under the menu items „App Manager“. In order to manage an app or to change functions/instances, just click on the corresponding app.

You can find the functions of each APP on the homepage of **BAB** APP MARKET (<https://www.bab-appmarket.de/>) or from the ToolTips of the corresponding application.

To install an app, please proceed as follows:

1. Open the web interface of your **APPMODULE**

<IP-Address **APPMODULE** >

2. Click on the menu entry „App Manager“, marked here in red.
3. You are now in the menu which lists all the apps that have already been installed. To install another app, click on "Install App", highlighted orange in the picture below.
4. Click on "Select App" and a new window will open. Select the app file and click "OK".
5. The installation was successful as soon as the dialog pictured below appears. Finally, click "OK" and configure the app.

5 APP SETTINGS

Control and automate your HomeMatic®-devices via KNX® and EnOcean®. Each HomeMatic®-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.

Please note that you can create 30 respectively 100 app instances depending on the app version (Standard or Pro).

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

5.1.1 CONNECTION PARAMETERS

IP Address:

Insert the IP address of the Homematic CCU.

Homematic Device:

Choose the Homematic device to be controlled by this instance.

5.1.2 GROUP ADDRESSES

Connection Status (EIS 14)

Insert the group address of the connection status indicator. The following values and their corresponding statuses are as follows:

- 0: No connection errors.
- 1: The selected device has not been added or has been removed from the CCU.
- 2: The central cannot be found within the network or the connection to the central is lost.

5.1.2.1 WIRELESS SWITCH ACTUATOR WITH POWER MEASUREMENT

Channel One: On/Off (EIS 1)

Insert the group address of the on/off-switch of the switch actuator on channel one.

Voltage Value

Insert the group address of the voltage value of the switch actuator.

Voltage Value Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

Energy Counter Value

Insert the group address of the energy counter value of the switch actuator.

Energy Counter Value Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

Utility Frequency Value

Insert the group address of the frequency value of the switch actuator.

Utility Frequency Value Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

Power Value

Insert the group address of the power value of the switch actuator.

Power Value Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

Current Value

Insert the group address of the current value of the switch actuator.

Current Value Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

5.1.2.2 RAIN SENSOR

Rain Sensor (EIS 1)

Insert the group address of the rain sensor (0: dry, 1: rain).

Sensor Heating on/off (EIS 1)

Insert the group address of the sensor heating on/off control.

Switch-On Time (EIS 9)

Insert the group address of the switch-on time input.

Lock Actuator (EIS 1)

Insert the group address for the lock actuator control (0: unlock, 1: lock).

5.1.2.3 WIRELESS PUSH-BUTTON 2-CHANNEL

Channel One: Short Press (unidirectional):

Insert the group address for the short press action on channel one. You can choose the value that will be sent in case of a short press and the corresponding data type down below.

Channel One: Long Press (unidirectional)

Insert the group address for the long press action on channel one. You can choose the value that will be sent in case of a long press and the corresponding data type down below.

Channel Two: Short Press (unidirectional)

Insert the group address for the short press action on channel two. You can choose the value that will be sent in case of a short press and the corresponding data type down below under "Settings".

Channel Two: Long Press (unidirectional)

Insert the group address for the long press action on channel two. You can choose the value that will be sent in case of a long press and the corresponding data type down below under "Settings".

5.1.2.4 WIRELESS HEATING THERMOSTAT

Room Temperature

Insert the group address for the room temperature display (in $\text{Å}^{\circ}\text{C}$).

Room Temperature Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

Auto Mode on/off (EIS 1)

Insert the group address for the auto mode on/off-switch.

Battery Status

Insert the group address for the battery status display (in Volt).

Battery Status Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

Boost Mode on/off (EIS 1)

Insert the group address for the boost mode on/off-switch.

Boost Status (EIS 14)

Insert the group address for the boost status display (min: 0, max: 30).

Comfort Mode on/off (EIS 1)

Insert the group address for the comfort mode on/off-switch.

Control Mode on/off (EIS 14)

Insert the group address for the control mode selector. To select the desired mode, put in one of the following numbers:

- 0: Auto Mode
- 1: Manu Mode
- 2: Party Mode
- 3: Boost Mode

Fault Report (EIS 14)

Insert the group address for the fault report. The following values and their corresponding fault states are as follows:

- 0: No fault
- 1: Valve tight
- 2: Adjusting range too large
- 3: Adjusting range too small
- 4: Communication error
- 5: n/e
- 6: Low battery
- 7: Valve error position

Lowering Mode on/off (EIS 1)

Insert the group address for the lowering mode on/off-switch.

Manual Heat Control

Insert the group address for the manual heat control (min: 4.5 Å°C; max: 30.5Å°C).

Manual Heat Control Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

Party Mode Submit (EIS 1)

Insert the group address for the party mode submit switch. Input the values concerning start date/time, end date/time and temperature below under "Settings".

Temperature Control

Insert the group address for the temperature control (min: 4.5 Å°C; max: 30.5Å°C).

Temperature Control Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

Valve Status (EIS 14)

Insert the group address for the valve status.

5.1.2.5 WIRELESS SMOKE ALARM

Alarm Test Result (EIS 1)

Insert the group address for the alarm test result (0: failure, 1: successful).

Smoke Chamber Status (EIS 1)

Insert the group address for the smoke chamber status (0: error, 1: no errors).

Smoke Detector (EIS 1)

Insert the group address for the smoke detector.

Low Battery Indicator (EIS 1)

Insert the group address of the low battery indicator.

5.1.2.6 WIRELESS DOOR/WINDOW CONTACT

Channel One: Shutter Open/Closed (EIS 1)

Insert the group address for the shutter open/closed-indicator on channel one (0: open; 1: closed).

Channel One: Sabotage Detector (EIS 1)

Insert the group address of the sabotage detector on channel one (0: no sabotage detected, 1: sabotage detected).

Channel One: Low Battery Indicator (EIS 1)

Insert the group address of the low battery indicator on channel one.

5.1.2.7 WIRELESS DIMMING ACTUATOR 1-CHANNEL

Channel One Dimmer (EIS 2)

Insert the group address for the channel one dimmer. The dimming time can be configured down below under "Settings"

Channel One Dimmer Status (EIS 6)

Insert the group address for the channel one dimmer status display.

Channel One Previous Dimmer Level (EIS 1)

Insert the group address for the channel one previous dimmer level switch. This control will revert the dimming level to the previous state.

Channel Two Dimmer (EIS 2)

Insert the group address for the channel two dimmer. The dimming time can be configured down below under "Settings"

Channel Two Dimmer Status (EIS 6)

Insert the group address for the channel two dimmer status display.

Channel Two Previous Dimmer Level (EIS 1)

Insert the group address for the channel two previous dimmer level switch. This control will revert the dimming level to the previous state.

Channel Three Dimmer (EIS 2)

Insert the group address for the channel three dimmer. The dimming time can be configured down below under "Settings"

Channel Three Dimmer Status (EIS 6)

Insert the group address for the channel three dimmer status display.

Channel Three Previous Dimmer Level (EIS 1)

Insert the group address for the channel three previous dimmer level switch. This control will revert the dimming level to the previous state.

5.1.2.8 WIRELESS WEATHER DATA CENTER

Temperature Value Output

Insert the group address for the temperature value output.

Temperature Value Data Type

The data type for this floating-point value

- EIS 5: 2 Byte Floating Point
- EIS 9: 4 Byte Floating Point

Temperature Display (EIS 15)

Insert the group address of the display on which the temperature will be displayed.

Humidity Value Output (EIS 14)

Insert the group address for the humidity value output.

Humidity Display (EIS 15)

Insert the group address of the display on which the humidity will be displayed.

Air Pressure Value Output (EIS 14)

Insert the group address for the air pressure value output.

Air Pressure Display (EIS 15)

Insert the group address of the display on which the air pressure will be displayed.

5.1.2.9 WIRELESS CAPACITIVE FILLING LEVEL SENSOR

Current Filling Level (EIS 6)

Insert the group address for the current filling level.

5.1.2.10 WIRELESS WATER DETECTOR

Water Detector Sensor (EIS 14)

Insert the group address for the water detector sensor (0: dry, 1: wet, 2: water).

Low Battery Indicator (EIS 1)

Insert the group address of the low battery indicator.

5.1.2.11 WIRELESS MOTION DETECTOR

Brightness (EIS 14)

Insert the group address for the brightness display.

Next Transmission (EIS 14)

Insert the group address for the next transmission input.

Motion (EIS 1)

Insert the group address for the motion indicator.

Sabotage Detector (EIS 1)

Insert the group address of the sabotage detector (0: no sabotage detected, 1: sabotage detected).

5.1.3 SETTINGS

5.1.3.1 WIRELESS PUSH-BUTTON 2-CHANNEL

Channel One Short Press Value:

Insert the value which will be sent as a telegram in case of a short press on channel one.

Channel One Short Press Value Data Type

Choose the datatype of the value.

- EIS_8
- EIS_11s
- EIS_13
- EIS_15
- EIS_2_abs
- EIS_2_switch
- EIS_3
- EIS_11u
- EIS_12
- EIS_10s
- EIS_14s
- EIS_1
- EIS_5
- EIS_6
- EIS_7
- EIS_9
- EIS_2_rel
- EIS_4
- EIS_10u
- EIS_14u

Channel One Long Press Value:

Insert the value which will be sent as a telegram in case of a long press on channel one.

Channel One Long Press Value Data Type

Choose the datatype of the value.

EIS_2_switch

- EIS_5
- EIS_10s
- EIS_11u
- EIS_1
- EIS_4
- EIS_11s
- EIS_14s
- EIS_14u
- EIS_2_abs
- EIS_2_rel
- EIS_3
- EIS_6
- EIS_9
- EIS_12
- EIS_7
- EIS_8
- EIS_10u
- EIS_13
- EIS_15

Channel Two Short Press Value:

Insert the value which will be sent as a telegram in case of a short press on channel two.

Channel Two Short Press Value Data Type

Choose the datatype of the value.

- EIS_4
- EIS_6
- EIS_8
- EIS_9
- EIS_2_rel
- EIS_3
- EIS_14u
- EIS_10u
- EIS_14s
- EIS_12
- EIS_2_abs
- EIS_10s
- EIS_5
- EIS_7
- EIS_11s
- EIS_11u
- EIS_13
- EIS_15
- EIS_1
- EIS_2_switch

Channel Two Long Press Value:

Insert the value which will be sent as a telegram in case of a long press on channel two.

Channel Two Long Press Value Data Type

Choose the datatype of the value.

- EIS_3
- EIS_5
- EIS_11u
- EIS_13
- EIS_1
- EIS_2_rel
- EIS_2_switch
- EIS_14u
- EIS_15
- EIS_7
- EIS_8
- EIS_11s
- EIS_10s
- EIS_4
- EIS_6
- EIS_9
- EIS_14s
- EIS_2_abs
- EIS_10u
- EIS_12

5.1.3.2 WIRELESS HEATING THERMOSTAT

Party Mode Start Date

Insert the date on which the party mode should be started. Please use the following format correctly (d: day, M: month, y: year): dd.MM.yyyy

Party Mode Start Time

Insert the time on which the party mode should be started. Please use the following format correctly (H: hours in military time, m: minutes): HH:mm

Party Mode End Date

Insert the date on which the party mode should be ended. Please use the following format correctly (d: day, M: month, y: year): dd.MM.yyyy

Party Mode End Time

Insert the time on which the party mode should be ended. Please use the following format correctly (H: hours in military time, m: minutes): HH:mm

Party Mode Temperature

Insert a temperature between 5 °C and 30 °C that should be set during party mode.

5.1.3.3 WIRELESS DOOR/WINDOW CONTACT

Channel One: Inverter

Check this box if you want a logical 0 to indicate a closed shutter and a logical 1 to indicate an open shutter instead.

5.1.3.4 WIRELESS DIMMING ACTUATOR 1-CHANNEL

Channel One Dimming Time

Insert the time a full dimming process should take in ms.

Note: Each dimming level has to be sent individually (there is no 'start increasing dimming' command). This app will internally calculate how to set the individual increment in order to reach the desired value whilst contacting your dimming device every 110ms.

If you wanted the smoothest possible dimming, that is an increment of 1 sent every 110ms, you would have to set this to 11000 (11s).

Channel Two Dimming Time

Insert the time a full dimming process should take in ms.

Note: Each dimming level has to be sent individually (there is no 'start increasing dimming' command). This app will internally calculate how to set the individual increment in order to reach the desired value whilst contacting your dimming device every 110ms.

If you wanted the smoothest possible dimming, that is an increment of 1 sent every 110ms, you would have to set this to 11000 (11s).

Channel Three Dimming Time

Insert the time a full dimming process should take in ms.

Note: Each dimming level has to be sent individually (there is no 'start increasing dimming' command). This app will internally calculate how to set the individual increment in order to reach the desired value whilst contacting your dimming device every 110ms.

If you wanted the smoothest possible dimming, that is an increment of 1 sent every 110ms, you would have to set this to 11000 (11s).