



REAL SMART HOME

REAL SMART HOME GmbH

APPMODULE

Panasonic Connect App Documentation

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1 INTRODUCTION

Thank you for your trust, and the purchase of the **Panasonic Connect** app for the BAB **APPMODULE**. With **Panasonic Connect** app you get Integrate Panasonic TVs into your Smart Home based on KNX, EnOcean and IP. The seamless connection with »Panasonic Connect« enables control with all Smart Home components and building visualisations. 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 This entails the possibility that parts of this documentation might be out-of-date.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 Panasonic Corporation. Neither **BAB APP MARKET** GmbH nor the developer of this app take any claim in the trademarks owned by Panasonic Corporation.

2 PANASONIC CONNECT – FUNCTIONAL OVERVIEW

The seamless KNX connection with "Panasonic Connect" enables the control of TV sets with all Smart home components such as wall buttons and building visualisations. In addition to the basic functions such as switching on and off, volume control or channel selection, it is also possible to switch TV inputs via KNX commands. This makes it possible to integrate a TV set into entire Smart home scenarios. At the push of a button, the blinds are lowered, the ambient lighting is activated and the television is switched on with the desired source selection and volume.

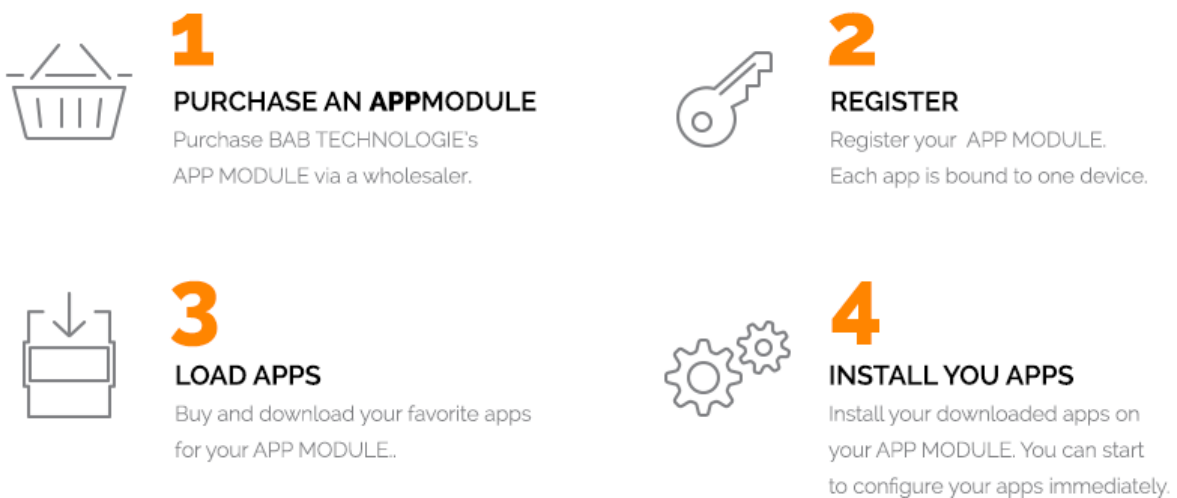
Highlights:

- Wake-on-Lan support
- Compatibility with 2019 TV sets:
 - *New OLED-TV-Series GZW2004, GZW1004, GZW954 and UHD-LED-TVs GXW804, GXW904, GXW945*
- Panasonic Connect version 1.0.0 works also with older models, for example:
 - 2015 Series greater CS600
 - 2016 Series greater DS600
 - 2017 Series greater/equal ES400
 - 2018 Series greater/equal FS400

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** [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 » **Panasonic Connect** « and click "OK". The Smart Home App " **Panasonic Connect** " 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

Integrate Panasonic TVs into your Smart Home based on KNX, EnOcean and IP. The seamless connection with »Panasonic Connect« enables control with all Smart Home components and building visualizations.

5.1 PANASONIC CONNECT

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 DEVICE SELECTION

IP Address of the TV:

List of existing devices.

Please turn your TV on for searching

Please switch on your TV.

5.3 BASIC FUNCTIONS

Standby On/Off (EIS 1):

Enter the group address for activating and deactivating the standby function. If '1' is transmitted, switch standby off (TV on); if '0' is transmitted, switch standby on (TV off).

Channel up/down (EIS 1):

Enter the group address to jump one channel forward or backward on your device. With '1' the device jumps forward, with '0' the device jumps backward

Set channel (EIS 14 / 0-9):

To be able to select a higher channel, please send several KNX telegrams. If, for example, you want to set channel 23, send a telegram with the value '2' and a telegram with the value '3' within 2 seconds.

5.4 VOLUME CONTROL

With these addresses you can regulate the volume.

Volume on/off (EIS 1):

Enter the group address for toggle the audio output of your device. With '1' the audio output switch on, with '0' the audio output switch off.

Volume on/off status (EIS 1):

Enter the group address to query the sound status of your device.

Volume up/down (EIS 1):

Enter the group address for increasing or decreasing the volume of your device. With '1' you increase the volume, with '0' you decrease the volume.

Set volume (EIS 6 0%...100%):

Enter the group address for setting the volume of your device. You can use values between 0-100%.

Current volume status (EIS 6 0%...100%):

Enter the group address to query the volume value of your device.

5.5 TV MODES

With these addresses you can switch between the TV modes

LastView mode (EIS 1):

Enter the group address to switch on the LastView mode. A sending value is not necessary.

Types of reception (EIS 14 1-6):

Choose between different reception types. You can use values between 1-6.

- 1 = Analogue
- 2 = DVB-T
- 3 = DVB-S
- 4 = Freesat
- 5 = DVB-C
- 6 = SAT-IP

5.6 TV INPUTS

With this address you can switch between the TV inputs.

Inputs AV and Component (EIS 14 1-3):

Enter the group address to choose between the AV and component inputs. You can use values between 1-3.

- 1 = AV1
- 2 = AV2
- 3 = Component 1

Inputs HDMI and Display Port (EIS 14 1-5):

Enter the group address to choose between the HDMI and DisplayPort inputs. You can use values between 1-5.

- 1 = HDMI1
- 2 = HDMI2
- 3 = HDMI3
- 4 = HDMI4
- 5 = DisplayPort1

5.7 MEDIA CONTROL

With these addresses you can control media

Media play/pause (EIS 1):

Enter the group address to start or pause your media. With '1' the device plays your media, with '0' the device pause your media.

Media stop (EIS 1):

Enter the group address to stop your media. A sending value is not necessary.

Media forward/rewind (EIS 1):

Enter the group address for fast forwarding and rewinding your media. With '1' your media fast forward, with '0' your media rewinds.

Media skip forwards/backwards (EIS 1):

Enter the group address to skip your media forward or backward. With '1' your media skip forwards, with '0' your media skip backwards.

6 APPENDIX

6.1 6.1 COMPATIBLE PANASONIC TVS

Compatibility with 2019 TV sets: new OLED-TV-Series GZW2004, GZW1004, GZW954 and UHD-LED-TVs GXW804, GXW904, GXW945.

Panasonic Connect version 1.0.0 works also with older models, for example:

2015 Series greater CS600
2016 Series greater DS600
2017 Series greater/equal ES400
2018 Series greater/equal FS400

6.2 DATA TYPES DPT/EIS

function	EIS type	DPT	typical function	typical values	data	identifier
PriorityPosition	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	DPT1 0	Time	Hhh:mm:ss	3 Byte	Time
Date	EIS4	DPT1 1	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
PriorityControl	EIS8	DPT2	Priority	0,1 switch; 3=forced off; 4=forced on	2Bit	1-bit controlled
FloatValue	EIS9	DPT1 4	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	DPT1 2	Counter 32 bit	0 - 4.294.967.295	4Byte	4-byte unsigned value
Counter	EIS11	DPT1	Counter 32 bit	0 - 4.294.967.295	4Byte	4-byte

32bit		3	with sign			signed value
Access Control	EIS12	DPT1 5	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	DPT1 6	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)