

Brief instructions | 23.10.2024

ABB-free@home®

Matter Controller Addon

How can I connect Eve and ABB-free@home®?
Which functions are possible?
What are the requirements for a connection?



Table of contents

1	Introduction	3
2	Supported Functions	4
3	Setup.....	5
4	Overview.....	10
5	Limitations.....	11

1 Introduction

The Matter Controller Addon is an extension for ABB-free@home®. It enables Matter-compatible devices to be controlled via ABB-free@home®. The following examples are representative of the connection of Eve devices, but in principle all Matter-certified devices can be connected.

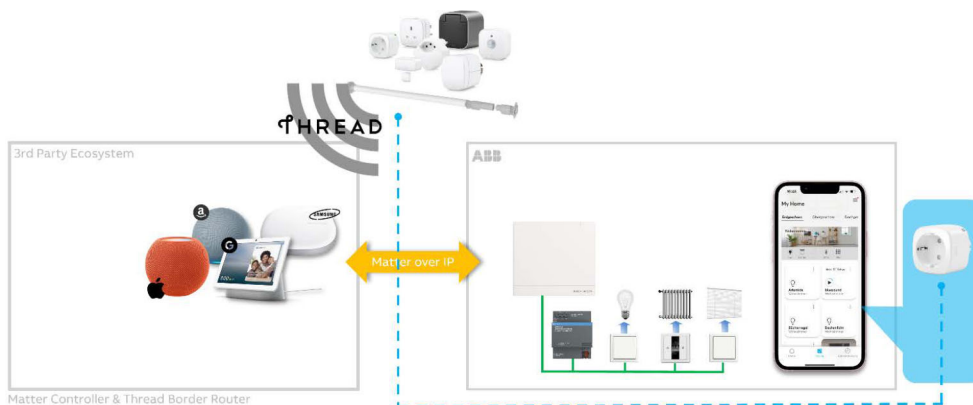





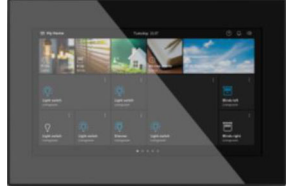


Abb. 1: Introduction

Prerequisites

1. ABB-free@home® System with System Access Point 2.0 and firmware version 3.4.0.
2. Thread Border Router incl. Matter Controller functionality (www.evehome.com/hub).
3. Home network with Internet connection that is connected to both devices.

		
		
System Access Point System Access Point WL	System Access Point 2.0	OneTouch7
6200 AP-101 2CKA006200A0071	SAP/S.3 2CKA006200A0155	M2249-2W-03 2TMA320050W0001
SAP-S-1-84 2CKA006220A0136	SAP/S.13 2CKA006200A0154	M2249-2B-03 2TMA320050B0001
SAP-S-127.1 2CKA006200A0240		M2249-2W 2TMA320051W0001
		M2249-2B 2TMA320051B0001

Tab. 1: Prerequisites

2 Supported Functions

By activating the Matter Controller add-on, the System Access Point itself becomes the Matter controller and can control other Matter devices.

As the System Access Point does not have an antenna for the Thread protocol, a Thread border router such as the Homepod Mini is required.

The Thread devices registered on the Homepod can then be shared with the ABB-free@home® system via the so-called multi-admin mode.

Device Functions (upto16 Devices)

The Matter Controller Addon supports Matter functions of the following categories*:

- Light
- Energy Eve Energy, Energy Outdoor
- Thermostat Eve Thermo
- Shading Eve Motion
- Sensors Eve Door & Window
Eve MotionBlinds



**Further functions will be supported with future updates.*

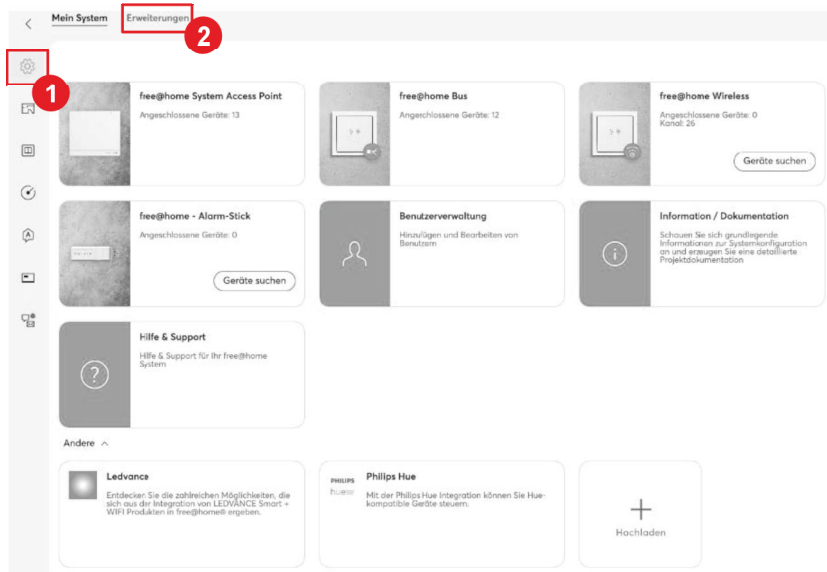
16 ABB-free@home® devices can be selected from the function categories listed above, which can be controlled via the add-on.



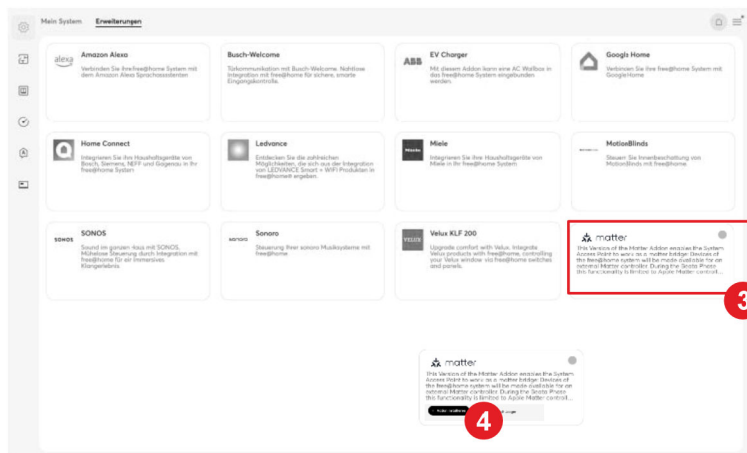
Note

The following description of the integration of Eve devices into the ABB-free@home® is based on the example of Apple Home. The coupling of Amazon or Google-based Matter controllers is also possible. However, the naming of the functions will differ in detail.

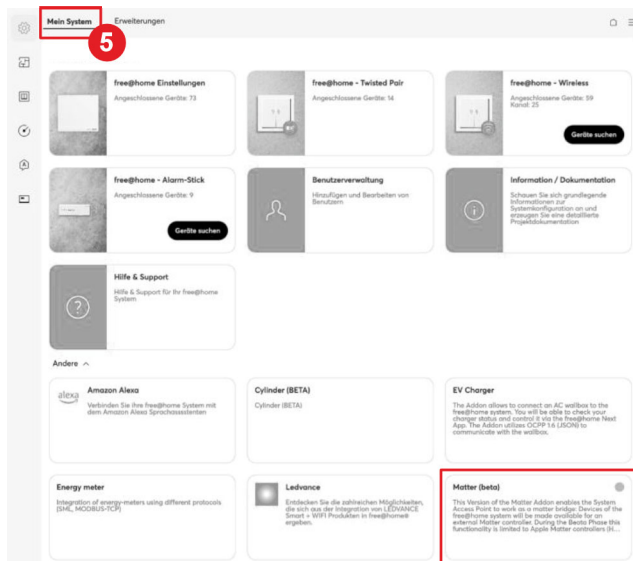
3 Setup



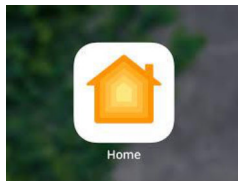
1. Log in to the configuration interface of the system access point and select the menu item “free@home configuration” [1] and extensions [2].



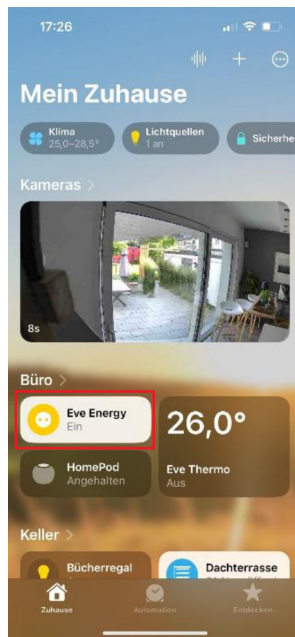
2. Call up the “Matter Controller” add-on [3] and install the add-on [4].



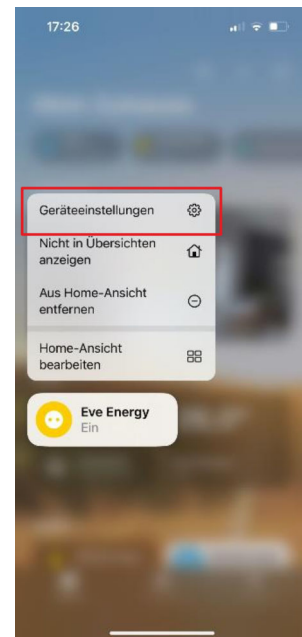
3. After installation, the extension appears under “My system” [5].



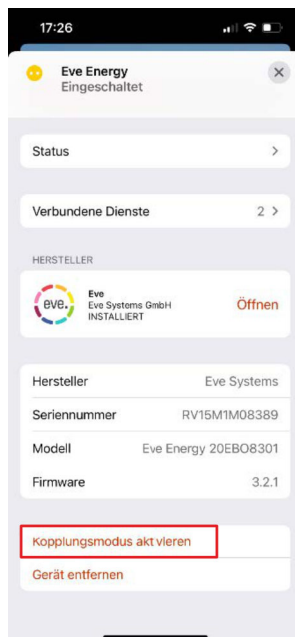
4. Open the Home App.



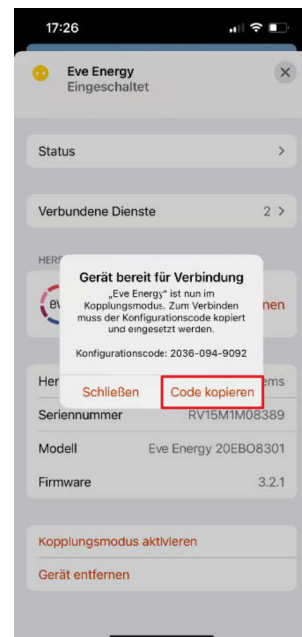
5. Select the Eve device to be imported



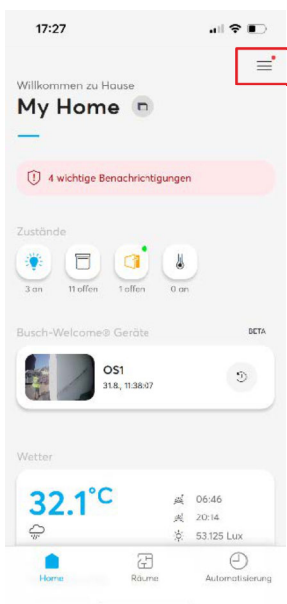
6. Open the device settings.



7. Activate coupling mode.

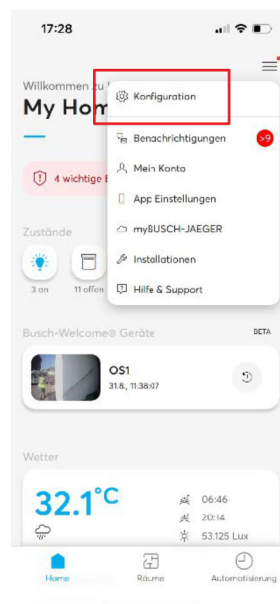


8. Copy the code.

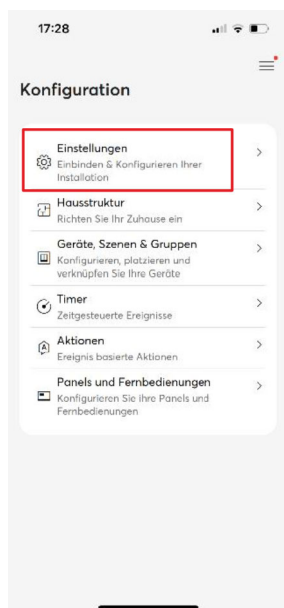


9. Open the free@home App.

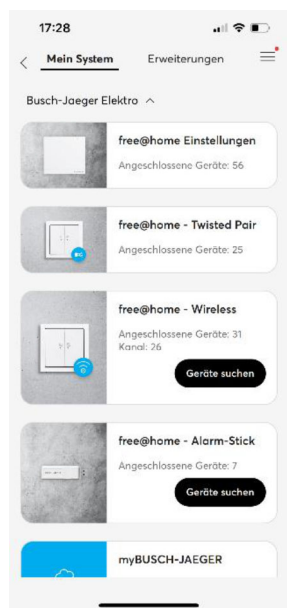
10. Open the „More“ menu.



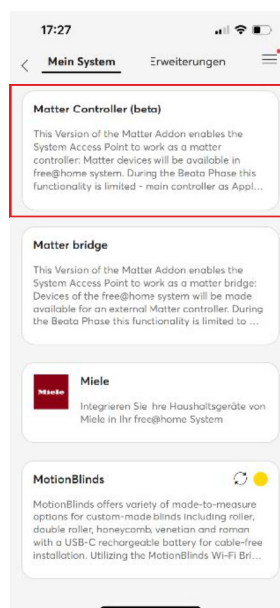
11. Open the Configuration menu.



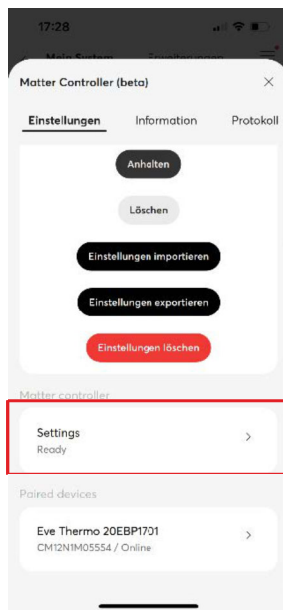
12. Open Settings.



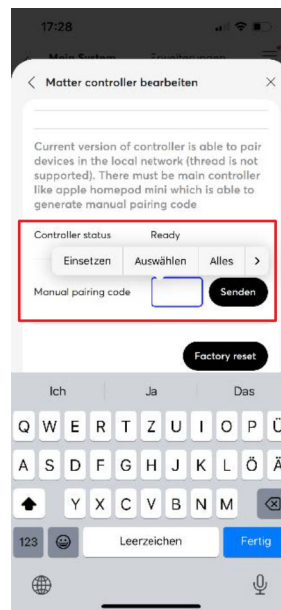
13. Swipe down to the Controller Addon.



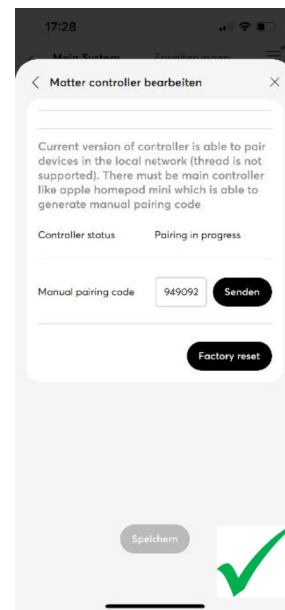
14. Open the Controller Addon.



15. Open the Settings.













16. Paste the Pairing Code and click on Send.



The Eve devices are now available in the free@home function overview and can be located.

4 Overview

The Eve devices can then be located in the Busch-free@home® system.

Eve Device		free@home Function
Eve Energy		Actuator/ Light/ Socket outlet 
Eve Thermo		Thermostat 
Eve Door & Window		Window Contact 
Eve Motion		Movementdetector 
Eve MotionBlinds		Blinds 

Tab. 2: Function

5 Limitations

Status October 2024:

- A maximum of 16 Matter devices can be integrated
- Energy data from Eve Energy and Energy Outdoor cannot be used in the ABB-free@home® interface
- Permanent On/Off is not supported by Matter devices
- ABB-free@home® room temperature controllers cannot be used with Eve Thermo for extension unit operation.
- Eco Mode cannot be used with Eve Thermo
- Eve Window cannot be paired to a Thermostat



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