

EVVR CenterLite

User Manual



Contents

1. Preface	01
2. Safety Instructions	02
General Safety	02
Location	03
Cleaning and Maintenance	03
3. About EVVR Center Lite	05
Overview	05
Package Contents	05
Features	06
Specifications	08
4. Parts and Functions	10
5. Before Use	12
Assemble the Power Adapter	12
Connect External Power Supply	12
6. Getting Started	13
Download EVVR App	13
Create Account/Login (Optional)	13
Connect to Network	13
Pair EVVR Center Lite	14

7. Basic Operations	15
Boot the Controller	15
Restore to Factory Settings	15
8. Certifications (Regional)	16
9. Warranty and Service	18
Limited Warranty	18
Service	18
10. Online Document	18

1. Preface

Thank you for purchasing EVVR Center Lite, a smart home controller. To use your controller safely and effectively, read this User Manual thoroughly before use and follow the instructions provided. Please keep this User Manual for future reference.

EVVR ApS reserves the rights to change the product information and specifications without notice. The products and specifications discussed herein are for reference purposes only. All information discussed herein may change without notice and without warranties of any kind. This document and all information discussed herein remain the sole and exclusive property of EVVR ApS.

EVVR is a registered trademark of EVVR ApS.

Copyright © 2022 EVVR ApS.

2. Safety Instructions

Warning: These safety instructions provide important safety information and should always be observed. Please read them before using the product.

General Safety

- This product is designed to be used in dry indoor places. It is not waterproof and must be kept away from rain or water.
- Install the adapter near the controller and ensure it is easily accessible.
- Do not use the controller if it is damaged or shows any kind of visible damage.
- Do not handle the controller or its components with wet hands.
- Do not dismantle the controller.
- The AC adapter may become hot while in use or just after use. Handle it carefully.

- Always use genuine parts and accessories provided with the product. Using third-party parts or accessories may cause short circuits, overheating, electric shock, or fire.

Location

- Place the controller on a flat surface.
- Do not expose the controller to direct sunlight or moisture.
- Keep the controller away from heat sources, such as stovetops or ovens.
- Do not subject the controller to extreme temperatures.
- Do not subject the controller to a strong impact or vibration.
- Keep the controller away from flammable atmospheres, such as areas where petrol or flammable liquids are stored.

Cleaning and Maintenance

It is recommended that you clean the controller by wiping it gently using a soft and dry cloth. Do not clean it with water, chemical substances, or detergents. Doing so may cause discoloration or corrosion to the controller's exterior and may lead to fire or electric shock.

Do not attempt to repair the controller or its accessories by yourself, which may cause product damage or personal injury. Damage caused by unauthorized repair is not under the warranty. Please contact our Authorized Service Center for any possible problems concerned with the product.

Warning: No user-serviceable parts inside. Refer all servicing to qualified service personnel.

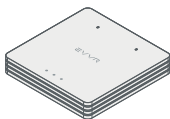
EVVR ApS disclaims all liability for any accidents or damage caused by using the product in the ways that are not described in this User Manual or using non-genuine parts or accessories.

3. About EVVR Center Lite

Overview

EVVR Center Lite is a smart home controller that can manage various smart devices from different brands. It supports ZigBee, Sub-1 GHz Proprietary Protocol, Wi-Fi, Bluetooth devices and other devices that have compatible plugins installed.

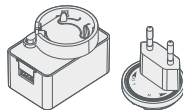
Package Contents



EVVR Center Lite x1



User Manual x1



AC Adapter & Plug x1

Note: The images shown in this manual are for reference only and may slightly differ from the actual product. The plug is varied according to the destination country or region.

Features

- **High compatibility**

Compatible with Zigbee 3.0, Sub-1 GHz Proprietary Protocol, Wi-Fi, and Bluetooth. EVVR Center Lite integrates Zigbee 3.0 and Sub-1 GHz Proprietary Protocol devices and is designed to be compatible with Matter in the future, ensuring a future-proof experience.

- **Local data storage**

EVVR offers enterprise-class data encryption using a peer-to-peer network connection that processes and stores your data in real-time locally. EVVR does not store your data in the cloud or get access to your connection, ensuring greater privacy and smart home security.

- **Star network, central control**

In an existing network of a commercial or large space, you can add multiple EVVR controllers as connection bridges to form a star network in which one controller implements centralized control. This extends the range of smart home control and allows you to control devices from anywhere with exclusive flexibility and stability.

- **Ease of use**

The controller can be accessed via a mobile App or web console. On EVVR App, you can configure automation for complete integration of smart home accessories, easily add devices with Zigbee 3.0, Sub-1 GHz Proprietary Protocol, Wi-Fi, and assign them to individual rooms for management. EVVR Console is a powerful web application that includes all the features of EVVR App. Its interface features an advanced, forward-thinking workflow design for a seamless user experience.

- **Extended development capabilities**

EVVR offers developers additional development kits, including Controller SDK and App SDK, to enable them to create additional functionalities and enhance compatibility with smart home hubs.

Specifications

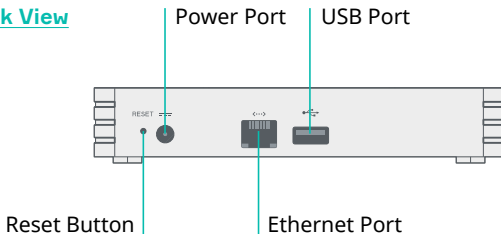
Model	ECL-ZWZBBTG1
CPU	Quad-core ARM Coretex A7 1.2 GHZ
SDRAM	1 GB DDR3
Flash	8 GB eMMC
Reset button	Recessed push button for hardware reset
LED indicator	3x RGB LEDs
Interfaces	1x USB 2.0 port
Power adapter	Input: 100 - 240 VAC 50/60 Hz, 0.5 A max Output: 5 VDC 2 A 10.0 W (adapter included)
Operating temperature	41 to 113 °F (5 to 45 °C)
Operating humidity	10% to 90% RH (non-condensing)
Enclosure	Plastic, white color
Dimensions	160 x 160 x 27 mm (6.3 x 6.3 x 1.07 in)
Weight	320 g (0.7 lb)

Specifications (Continued)

Ethernet	100 Mbps, IEEE 802.1X
Wi-Fi	2.4 GHz, IEEE 802.11a/b/g/n
Bluetooth	Bluetooth 4.0, IEEE 802.15
Zigbee	ZigBee 3.0
Other protocols	Sub-1 GHz Proprietary Protocol
Software required	EVVR APP • Android 8 or higher • iOS 13.1 or higher
*: Average weight: there may be slight weight deviation for each controller.	

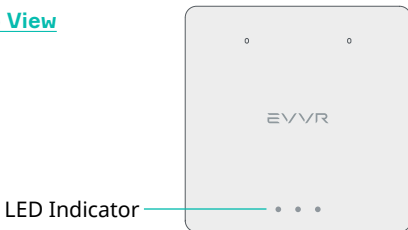
4. Parts and Functions

Back View



Parts	Functions
Reset button	Restore to factory settings. See 7. Basic Operations .
Power port	Convert AC power to DC power.
Ethernet port	Support a standard Ethernet cable for connection to a local network.
USB port	Support USB-enabled accessories.
LED	Indicate the real-time status of the controller.

Top View



The LED displays the status of the controller and connected devices:

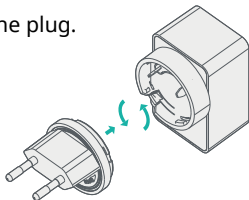
Solid white	The controller is booting up.
Solid green	• The controller is powered on. • The controller works normally.
Flashing green	The controller is discovering smart devices.
Solid yellow	The controller is disconnected from Internet.
Fast flashing red	A smart device has reached an emergency level.
Flashing blue 5 times	The controller is responding to an identification request.

5. Before Use

Assemble the Power Adapter

Before use, connect the AC adapter and the plug.

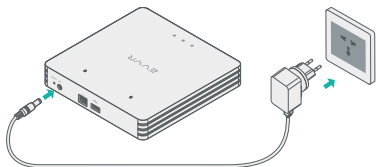
» Properly align the key on the plug with the slot on the adapter. Then finger-tighten the plug and adapter to secure the connection.



Connect External Power Supply

Warning: Only use the adapter and its accessory provided.

» Plug in the adapter to an outlet and insert the power connector to the back of the controller.



6. Getting Started

Download EVVR App

Search “EVVR” in Apple App Store or Google Play and download the latest version of the EVVR App.

Note: The EVVR App supports iOS 13.1+ or Android OS 8.0+

Create Account/Login (Optional)

Create an account as instructed. If you already have an account, log in directly.

Connect to Network

EVVR Center Lite can connect to the network via a 2.4 GHz Wi-Fi or an active Ethernet cable.

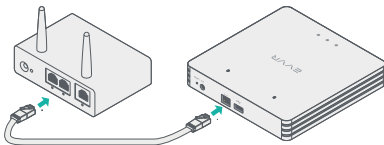
Note: EVVR Center Lite can work without an Internet connection if a local area network (LAN) exists. However, the Internet is necessary for using the App to control your devices remotely.

- **a) Wi-Fi Connection**

Follow the instructions in EVVR App to complete the connection.

- **b) Ethernet Cable Network Connection**

Insert an active Ethernet Cable into the Ethernet port of the controller.



Pair EVVR Center Lite

Follow the instructions in EVVR App to pair EVVR Center Lite.

Note: The person who pairs the controller first is assigned the controller owner. Other users can pair the controller only if they are invited by the owner. The owner can assign different roles to users. In local use, all users are owners.

7. Basic Operations

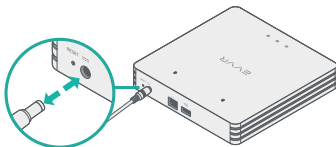
Boot the Controller

The controller is about to work when its adapter is plugged into the outlet.

Restore to Factory Settings

Warning: All user data will be cleared if the controller is restored to factory settings.

Unplug the DC end of the adapter from the controller, and then re-plug the DC end into the controller while keep pressing the Reset Button using a paperclip or similar tools until the LED glows white.



8. Certifications (Regional)

FCC ID: 2A68U-ECL01



FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Consult the dealer or an experienced technician for help.

Important Announcement Important Note

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

9. Warranty and Service

Limited Warranty

For warranty information, please visit <https://www.evr.io>.

Service

If you have any question, please contact us through www.evr.io. If it becomes necessary to return the device for repair, contact your local distributor for more information.

10. Online Document

For detailed information, visit <https://docs.evr.io/article-categories-evr/evr-center-lite/> or scan the QR code below.





Make Every Moment Meaningful.

For more information, please visit www.evvr.io