



# KE2 Thermosolutions KE2-EM Lite KE2 Edge Manager Lite Installation Guide

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**KE2 Thermosolutions KE2-EM Lite KE2 Edge Manager Lite**



## Product Information

The KE2 EdgeManager Lite (KE2-EM Lite) is a device that allows users to manage and control various functions of their systems. It provides easy access to the system dashboard through a web browser and offers connectivity options via Wi-Fi or Ethernet cable. The KE2-EM Lite comes with pre-installed software and is equipped with wireless radios for seamless internet access.

### Key Features:

- Micro USB power port for power supply
- 5V/2A power adapter for optimal performance
- Wi-Fi and Ethernet Cat5e cable connectivity options
- Pre-installed MicroSD card for system operation
- Easy setup with EZ-Install Wizard
- Management account credentials for secure access
- Wireless Bridge functionality for internet connectivity

### Note:

The KE2-EM Lite has two wireless radios, 2.4GHz and 5GHz, for Wi-Fi connectivity. The device's SSID is printed on the label located at the bottom of the KE2-EM Lite.

## Product Usage Instructions

### 1. Power On:

- Plug the Micro USB power cable into the power port of the KE2-EM Lite.
- Use the supplied 5V/2A power adapter to ensure proper operation.
- **Note:** To perform a Factory Reset, hold down the Reset button for 10 seconds and then release.

## 2. Connecting to the KE2-EM Lite:

- You can connect to the KE2-EM Lite via Wi-Fi or Ethernet Cat5e cable.
- Choose the most convenient method.
- **Note:** Do not remove or replace the pre-installed microSD card.
- **Note:** Connecting your device to the local area network (LAN) of the KE2-EM Lite does not provide internet access. Follow the setup procedures and the EZ-Install Wizard for internet connection setup.
- The SSID of the KE2-EM Lite is displayed on the label located at the bottom of the device. It is available in two formats:
  - KE2EMLT-XXXXXX (Ex: KE2EMLT-04CDC7)
  - KE2EMLT-XXXXXX-5G (Ex: KE2EMLT-04CDC7-5G)
- To connect via LAN, use an Ethernet cable to connect your device to either LAN port of the KE2-EM Lite.

## 3. Accessing the KE2-EM Lite Dashboard:

- Open a web browser (Firefox, Chrome, Edge, Safari).
- Visit <http://192.168.50.1>.
- If it's a new installation, you will be guided through the EZ-Install Wizard.

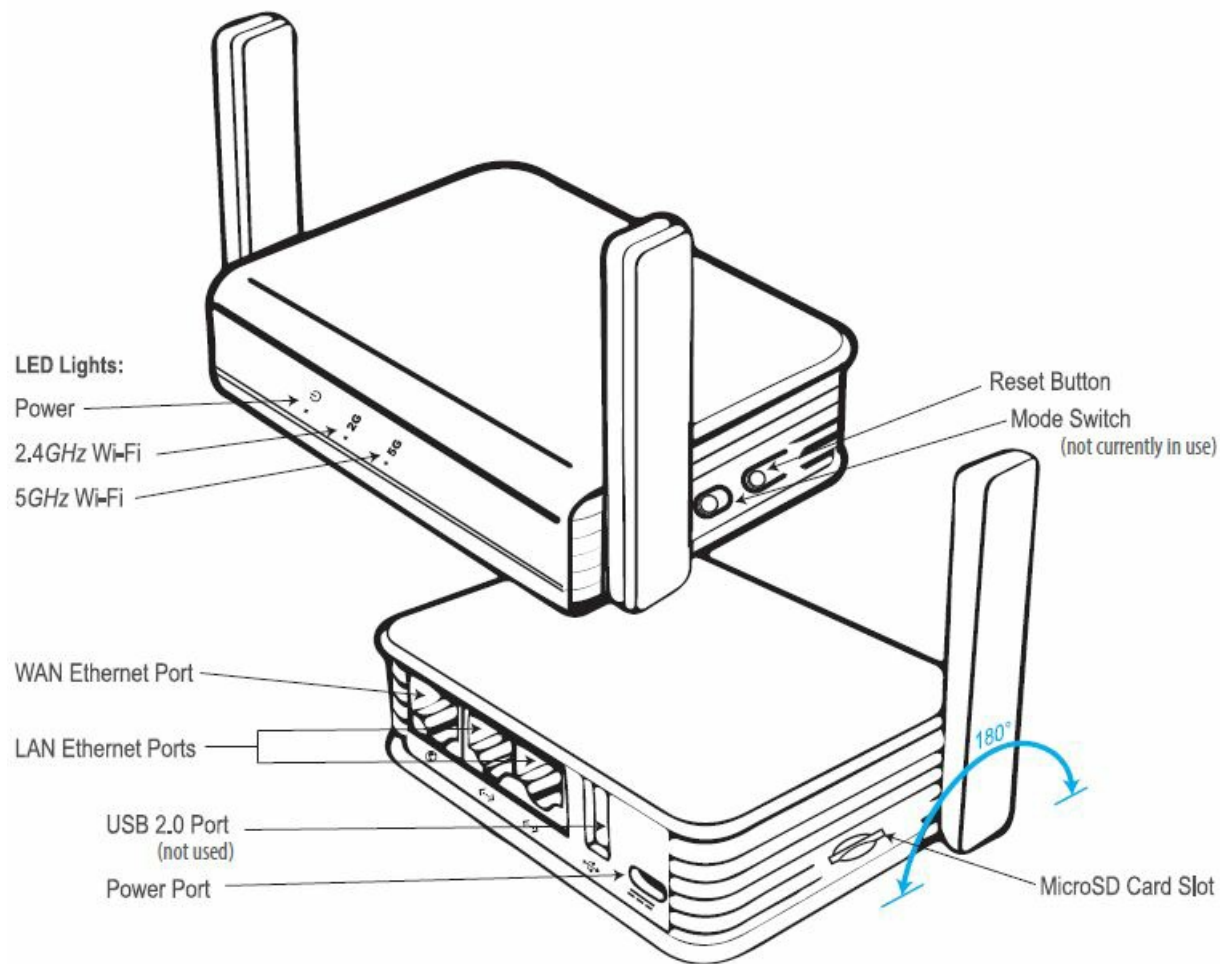
## 4. EZ-Install Wizard:

- **Password Setup:**
  - Enter the required fields to enable the Next Step button.
  - Confirm the management account credentials to proceed.
- **Publish:**
  - Satisfy all requirements to enable the Next button.
- **Wi-Fi Password:**
  - Follow the instructions to set up Wi-Fi connectivity.
- **Connectivity:**
  - Connect the KE2-EM Lite to the internet for remote access and alarm notifications.
  - Choose either 2.4GHz or 5GHz for the Wireless Bridge to connect to a preexisting Wi-Fi network.
  - **Note:** If a network does not appear, it may be on the other frequency (2.4GHz or 5GHz).
  - **Note:** If you lose access to the KE2-EM Lite, perform a FactoryReset and select the other wireless radio for the WirelessBridge.

## 5. Wi-Fi Example:

- To access the KE2-EM Lite, connect your smart device to the KE2EMLT-04CDC7 2.4GHz Wi-Fi network.
- The 5GHz radio is used to create the Wireless Bridge to the existing Wi-Fi network.
- **SSID:** KE2EMLT-04CDC7

## GETTING STARTED & EZ-INSTALL WIZARD GUIDE



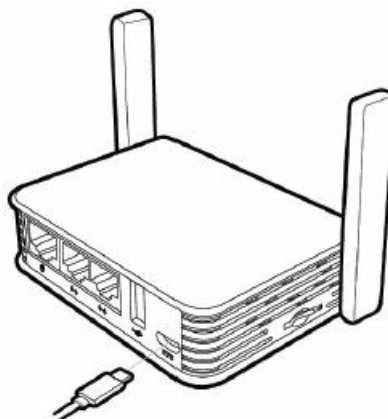
## GETTING STARTED

### Power On

Plug the Micro USB power cable into the power port of the KE2-EM Lite. Use the 5V/2A power adapter supplied with the KE2-EM Lite in order to ensure proper operation.

**Note:** If necessary to perform a Factory Reset, hold down the Reset button for 10 seconds, then release.

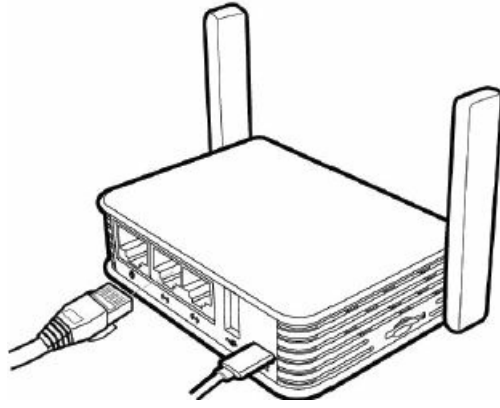
**Note:** A MicroSD card is pre-installed in the KE2-EM Lite. DO NOT remove or replace the MicroSD card.



### Connecting to the KE2-EM Lite

You can connect to the KE2-EM Lite via Wi-Fi or Ethernet Cat5e cable. Choose the most convenient method.

**Note:** This step only connects your mobile/tablet/laptop/desktop to the local area network (LAN) of the KE2-EM Lite. Internet access is not yet configured. In order to connect to the Internet, please finish the setup procedures below and the EZ-Install Wizard to set up an Internet connection.



**Note:** Your device will not display both KE2-EM Lite Wi-Fi networks unless it supports both 2.4GHz and 5GHz Wi-Fi.

### **Method 1 – Connect via Wi-Fi**

Search for the KE2-EM Lite's wireless network (SSID) in your device's list of Wi-Fi networks and input the default password – All characters are in upper case: KE2EMLT#1 The SSID is printed on the label on the bottom of the KE2-EM Lite in the following formats:

- KE2EMLT-XXXXXX (Ex: KE2EMLT-04CDC7)
- KE2EMLT-XXXXX-5G (Ex: KE2EMLT-04CDC7-5G)

### **Method 2 – Connect via LAN**

Connect your device to the LAN port () of the KE2-EM Lite via Ethernet cable. Either LAN port can be used.

### **Access the KE2-EM Lite Dashboard**

Open a web browser (Firefox, Chrome, Edge, Safari) and visit <http://192.168.50.1>.

If this is a new install, you will be guided using the EZ-Install Wizard.

## **EZ-INSTALL WIZARD**

### **Password Setup**

**Email** – Optional field.

**User Name** – Management Console User Name. The KE2-EM Lite secures access to the Management Console with these credentials. You are required to create this account on the first install.

**Password** – Management Console Password. The KE2-EM Lite secures access to the Management Console with these credentials. You are required to create this password on first install. Please record both User Name and Password for future reference. You will need both to log in to the Management Console. This password requires 8-15 characters, at least one upper and lower case, a number, and a special character (!@#\$( )%&\*).

**Confirm Password** – Confirm Password as entered in the prior field. You are required to confirm this password on the first install.

The Next Step button will be available once all fields are entered properly.

You will be prompted to CONFIRM the management account credentials to continue

## Publish

**Auto Publish ALL devices** – This option allows you to automatically publish any KE2 Therm devices communicating with the KE2-EM Lite to the Portal specified below.

**Do not Auto-Publish Devices** – If you do not wish your KE2 Therm devices to be automatically published to the Portal, select this option.

**Portal** – This is the remote portal that your devices will be published to. In most cases, this does not need to be changed.

**Site** – This is the unique Site name on the Portal where all devices on the KE2-EM Lite will be published. A Site name should be descriptive. Ex: MyStore-04CD

**Pass** – This field contains the Portal password used to publish devices. This password should be 8-15 characters, with upper and lower case, including numerals and special characters (!@#\$( )%&\*).

The Next button will be available once all requirements have been satisfied.



**Setup Edge Manager**  
This wizard helps automatically configure the EM for this installation

Progress: Password Setup (active), Publish, WiFi Password, Connectivity, Finish

**Auto Publish Devices to Portal**

☒ Auto Publish ALL devices ☐ Do not Auto Publish devices

**Access** ☒

**Portal**  
smartaccess.ke2therm.net

**Site**  
Type Unique SiteName. Ex: MyStone-2988

**Pass**  
Type Unique Password. Ex: SuperS3c

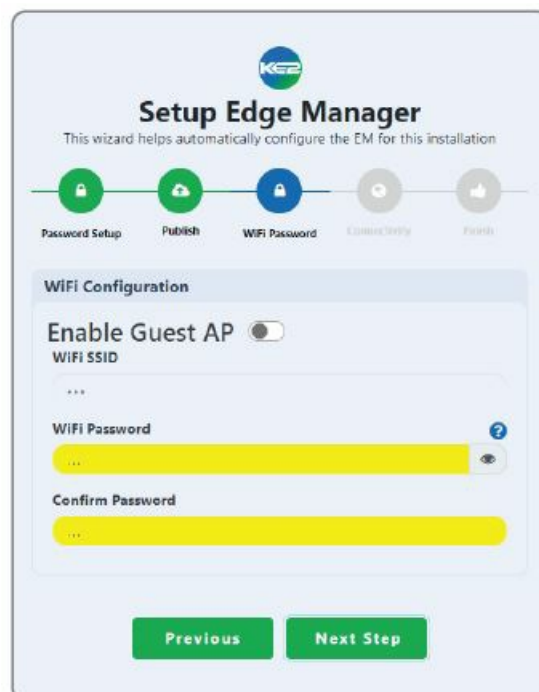
**Previous** **Next**

## Wi-Fi Password

**Wi-Fi Password** – For security purposes, you will be prompted to change the default Wi-Fi Password during installation. A minimum of 8 characters is required, but 14 is recommended. Please record this Wi-Fi password. You will need it to reconnect later.

**Confirm Password** – Confirm Password as entered in the prior field. You are required to confirm the password before the Next Step button becomes available.

**Enable Guest AP** – Allows Wi-Fi access to the dashboard without a password. Internet access is not available when connected to the Guest AP.



**Setup Edge Manager**  
This wizard helps automatically configure the EM for this installation

Progress: Password Setup, Publish, WiFi Password (active), Connectivity, Finish

**WiFi Configuration**

**Enable Guest AP** ☐

**WiFi SSID**  
\*\*\*

**WiFi Password**  
Type Unique Password. Ex: SuperS3c

**Confirm Password**  
Type Unique Password. Ex: SuperS3c

**Previous** **Next Step**

## Connectivity

This page helps you connect this KE2-EM Lite to the Internet. If you want to publish devices to the Portal for remote access or receive alarm notifications, the KE2-EM Lite must be connected to the Internet.

## Connect to the Internet

Allow vendor assistance – Allows KE2 Therm to remotely connect to the KE2-EM for technical support.

**Ethernet Connection – WAN Port** – Select this option if you are using a Cat5e Ethernet cable to connect the KE2-EM Lite to the Internet. The KE2-EM Lite will automatically request an IP address from the network.

**Setup Edge Manager**  
This wizard helps automatically configure the EM for this installation

Progress: Password Setup, Publish, WiFi Password, **Connectivity**, Finish

**Internet Connection**

**Allow vendor assistance** ☒

**Connectivity Details**  
Please select connection mode:

☒ **Connect to the Internet**  
☒ Ethernet Connection - WAN port ☐ Wireless Bridge / Uplink

☐ Stand Alone (No Internet)

**Next Step**

**Stand Alone (No Internet)** – Select this option if you do not want to connect the KE2-EM Lite to the Internet.

**Wireless Bridge / Uplink** – Select this option if you want to wirelessly connect to an available Wi-Fi network within range of the KE2-EM Lite and use it to access the Internet. This mode is a convenient way to connect to another Wi-Fi Access Point, Hotspot, or Guest Network for quick Internet access. Be sure to consider any security implications this may cause. If in doubt, contact your local IT or help desk for direction and support.

**Wireless Bridge / Uplink** – has additional configuration options:

The KE2-EM Lite has two wireless radios (2.4GHz and 5GHz) to connect to a pre-existing Wi-Fi network for Internet access. This provides the KE2-EM Lite access to the Internet without running Ethernet cables. Choose only ONE, 2.4GHz OR 5GHz, for the Wireless Bridge

**Name** – Select this dropdown to display Wi-Fi networks within range. If a network does not appear, it may be on the other frequency (2.4GHz or 5GHz).

**Use hidden SSID** – Use this option to specify the SSID of a hidden Wi-Fi network.

**Pass** – This is the password field for the Wi-Fi network found previously. Input the password for the Wi-Fi network.

**Set as Priority** – This is an advanced option and usually not required. This option allows network traffic to be delivered to the Wi-Fi interface first. Enable this only at the instruction of an IT representative.

**Save Changes** – to complete the Wireless Bridge / Uplink connection, you must select Save Changes.

The Next Step button can be selected if Stand Alone (No Internet) was selected previously.



Internet Connection

Allow vendor assistance ☒

Connectivity Details

Please select connection mode:

☒ Connect to the Internet

☐ Ethernet Connection - WAN port

☒ Wireless Bridge / Uplink

Wi-Fi 2.4GHz ☒

Wifi Bridge ☐

Name:

☐ Use hidden SSID

Pass:

☐ Set as Priority

Save Changes

Wi-Fi 5 GHz ☒

Wifi Bridge ☐

Name:

☐ Use hidden SSID

Pass:

☐ Set as Priority

Save Changes

☐ Stand Alone (No Internet)

Previous Next Step

**Note:** The wireless radio (2.4GHz or 5GHz) selected for the Wireless Bridge will no longer be able to be used as an Access Point for the KE2-EM Lite. If you lose access to the KE2-EM Lite and cannot reconnect, perform a Factory Reset and select the other wireless radio for the Wireless Bridge..

#### Wi-Fi Example 1:

The user connects their smart device to the KE2EMLT-04CDC7 2.4GHz Wi-Fi network to access the KE2-EM Lite. The 5GHz radio is used to create the Wireless Bridge to the existing Wi-Fi network.



#### Wi-Fi Example 2:

The user connects their smart device to the KE2EMLT-04CDC7-5G 5GHz Wi-Fi network to access the KE2-EM Lite. The 2.4GHz radio is used to create the Wireless Bridge to the existing Wi-Fi network.

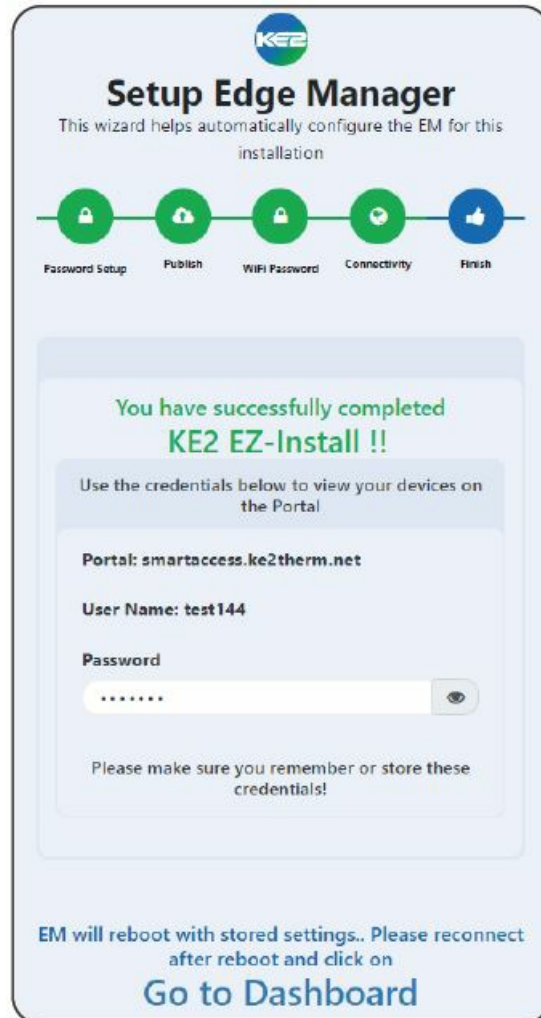


#### Wi-Fi Tips:

Use a 2.4GHz Wi-Fi Bridge for sites using traditional, slower Internet Access Points. Use 5GHz Wi-Fi Bridge for sites using newer, faster Internet Access Points. Note: 2.4GHz wireless transmissions can travel farther than 5GHz transmissions. DO NOT ATTEMPT to Wi-Fi Bridge both 2.4GHz and 5GHz!!!

## Finish

Congratulations!! You have successfully completed the EZ-Install Wizard. The KE2-EM Lite will need to reboot with the configuration options you have selected. This process will take less than two minutes to complete. To reconnect, simply use the same method you used in Step 2 Connecting to the KE2-EM Lite as described earlier. Don't forget, the Wi-Fi password and management credentials were changed during the EZ-Install Wizard setup.



## TECHNICAL SUPPORT

### Factory/Login Credentials Reset

If you are unable to access the KE2 Dashboard or cannot connect to the KE2-Edge Manager (KE2-EM), you can press the RESET button:

- Press the reset button for 1 second or less to reboot the KE2-EM.
- Press and hold the reset button for 3 to 5 seconds, then release to reset KE2-EM credentials to the default of ke2admin/ke2admin. You will be prompted to change the username and password from default upon logging in.
- Press and hold the reset button for at least 10 seconds, then release to reset the KE2-EM to factory settings.  
WARNING – all settings and user data will be cleared.

### Technical Support

If you are unable to access the KE2 Dashboard or cannot connect to the KE2-Edge Manager (KE2-EM), you can

press the RESET button:

- For more detailed / updated instructions, please visit our website <https://ke2therm.com>.
- For additional questions, use one of the following:
- Send an E-mail to [techsupport@ke2therm.com](mailto:techsupport@ke2therm.com)
- Visit our YouTube channel <https://youtube.com/user/KE2Therm/videos>.
- Call us at 636-266-0140 (8 am -5 pm CST)

If calling, please make sure you are running the latest version and have access to the KE2-EM.



- Visit <https://ke2therm.com/literature/literature-ke2-edge-managers/> or use the QR code to view all KE2-EM literature:

### **Record Credentials (optional)**

Record your credentials in the space below and secure in a safe location for future reference:

#### **Management Console**

- Username:
- Password:

#### **KE2 SmartAccess**

- Site:
- Password:

#### **Wi-Fi**

- Password:

#### **KE2-EM Lite**


- Serial No:
- MAC Address:

#### **KE2 Therm Solutions, Inc.**



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- [www.ke2therm.com](http://www.ke2therm.com).

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- KE2-EM v2.0 – Q.5.71 June 2023

## Documents / Resources

 The image shows the cover of a technical manual for the KE2 EdgeManager Lite. It features the KE2 Therm Solutions logo at the top, followed by the product name 'KE2 EdgeManager Lite (KE2-EM Lite)' and a subtitle 'GETTING STARTED & KEY FEATURES GUIDE'. Below the text is a diagram of the device with various ports and antennas labeled. The bottom of the cover has a blue horizontal bar.	<p><a href="#">KE2 Thermsolutions KE2-EM Lite KE2 Edge Manager Lite</a> [pdf] Installation Guide KE2-EM Lite KE2 Edge Manager Lite, KE2-EM Lite, KE2 Edge Manager Lite, Edge Manager Lite, Manager Lite</p>
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## References

-  [Home - KE2 Therm Solutions](#)
-  [Literature - KE2 Edge Managers - KE2 Therm Solutions](#)