Gateway **ET Home Link DHA-263**

OPERATING INSTRUCTIONS



Supports hydraulic balancing





LEGAL NOTICE

Operating Instructions Gateway ET Home Link DHA-263

Manufacturer

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This operating instruction manual provides assistance for starting up and using the ET Home Link DHA-263. Read these operating instructions carefully before using the ET Home Link DHA-263. Keep this operating manual in a safe place and hand over all documents when passing the equipment on to third parties.

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1 SAFETY INFORMATION

In addition to the safety information in these operating instructions, all other available sources must also be observed.

The areas of use defined in the written explanations of the **intended use** must be observed.

1.1 DEPICTION OF WARNINGS

The warnings used in these operating instructions have the following meaning:



WARNING!

There is a risk of serious injury or even fatal injury if the warning sign containing this signal word is ignored.

➔ Probability of occurrence: possible



CAUTION!:

Moderate to minor personal injury may occur if warnings with this signal word are disregarded.

➔ Probability of occurrence: possible



IMPORTANT!

Material damage can occur if warnings with this signal word are disregarded.

➔ Probability of occurrence: possible



INFORMATION

Contains additional information.

1.2 WARNINGS

When operating your ET Home Link DHA-263 and its components, risks may arise that can be avoided by observing the following warnings.



WARNING!

Danger of electric shock!

Improper handling of the product can lead to injuries.

- → Never open or repair your device.
- \rightarrow Never touch the bare contacts of your device with metallic objects.
- → Place the device near an easily accessible power socket.
- \rightarrow Never plug or unplug the power supply unit of your device with wet hands.



WARNING!

Risk of fatal injury and accidents to infants and children!

There is a risk of suffocation from the device and packaging material.

→ Never leave children unsupervised with the device or the packaging material. Children underestimate the risks involved. Always keep children away from the device and packaging material.



CAUTION!:

Risk of injury due to malfunction!

Malfunctions can lead to injuries.

- → Never carry out repairs to the device yourself.
- \rightarrow Do not open the device.
- \rightarrow Do not short-circuit the connection terminals of the device.
- → Do not carry out any modifications or conversions on your device.
- \rightarrow Do not use the device if it is damaged.
- → In the event of an error, contact Customer Service.



IMPORTANT!

Material damage and malfunction possible!

The device can be used by children from the age of 8 and persons with restricted physical, sensory or mental capabilities or a lack of experience and knowledge when they are supervised or if they have been instructed on safe use of the device and understand the potential dangers involved.

- → Children must not be allowed to play with the device.
- → Cleaning and user maintenance must not be carried out by children without supervision.





IMPORTANT!

Material damage and malfunction possible!

Environmental influences can affect the functions of the device.

- → Keep the device away from direct sunlight.
- \rightarrow Only use the device in a dry, dust-free environment.
- → Use only original accessories.
- \rightarrow Do not operate the device if it is damaged.



IMPORTANT!

Material damage and malfunction possible!

Damaged components and/or malfunctions prevent the device from working properly.

➔ If material damage and/or malfunctions occur, contact the Customer Service of Eurotronic Technology GmbH.



2 SCOPE OF DELIVERY

Check the scope of delivery for completeness as well as visual and technical defects before putting the ET Home Link DHA-263 into operation.

- 1× ET Home Link DHA-263 gateway
- 1× power cable
- 1× Quick Guide





IMPORTANT!

Material damage and malfunction possible!

Damaged components and/or malfunctions prevent the device from working properly.

→ If material damage and/or malfunctions occur, contact the Customer Service of Eurotronic Technology GmbH.



3 OVERVIEW

Thank you for choosing a product from EUROtronic Technology GmbH. The ET Home Link DHA-263 is a gateway equipped with the ZigBee wireless standard for connection and communication with smart energy-saving controllers. After connection to your ET Home Link, they regulate the room temperature automatically according to your instructions. Use the **ET HomeLink** app for configuration purposes.

Development and production are 100% "Made in Germany", which guarantees premium quality and technology. These operating instructions will help you to get your ET Home Link DHA-263 up and running quickly and easily.



INFORMATION

The drawings in these instructions are for the purpose of illustration and are not necessarily to scale. Product designations and pictograms on screenshots may differ from the actual product. EUROtronic Technology GmbH reserves the right to change the design or dimensions without prior notice.

3.1 INTENDED USE

Your Gateway ET Home Link DHA-263 is used to connect and control Eurotronic energy-saving controllers with hydraulic balancing. It is forbidden to carry out any unauthorised modifications, conversions and repairs.

Any use other than that described here is considered unintended use and will result in the loss of rights related to the terms of guarantee and exemption of liability.



INFORMATION

The gateway can be used to control Eurotronic energy-saving controllers with hydraulic balancing. Other devices are not supported and are rejected by the gateway.

4 CONTROLS AND DISPLAY ELEMENTS

The following section describes the controls and display elements of the gateway.



4.1 OPERATING ELEMENTS

Button	Action	Function
	Press button and keep pressed for 5 sec.	The gateway is reset.



4.2 DISPLAY ELEMENTS

WI-FI LED

Status	Colour	Function
Configuration mode	Flashes green/yellow	Configuration mode is active. The gateway can be added to the app.
Establishing a con- nection	Flashes green/yellow 2×	The gateway is connecting to the server.
Operating status	Lights up green/yellow	The gateway is in normal operating status.
Data transfer	Flashes green/yellow once, briefly	The gateway is sending or receiving data.
Update	Lights up orange	The gateways or an energy-saving controller connected is being updated.
Reset	Flashes red 2 ×	The gateway is being reset to its default factory settings.
Error status C1	Flashes red 1× every 2 seconds	The Wi-Fi password has been entered incor- rectly in the app. The gateway cannot connect to the Wi-Fi network.
Error status C2	Flashes red 2× every 2 seconds	The Wi-Fi connection is interrupted.
Error status C3	Flashes red 3× every 2 seconds	The Wi-Fi connection exists but there is no connection to the server.
ZIGBEE LED		
Search	Flashes yellow/green, briefly, every 2 seconds	The gateway searches for ZigBee devices which are available.
Establishing a con- nection	Flashes green/yellow quickly	The ZigBee network is being established.
Normal operation	Lights up yellow/green	The gateway is in normal operating status.
Data transfer	Flashes yellow/green 1×, briefly	The gateway is sending or receiving data.
Update	Lights up orange	The gateways or an energy-saving controller connected is being updated.
Reset	Flashes red 2 ×	The gateway is being reset to its default factory settings.
Error status	Lights up red	Error in the ZigBee network.

5 PUTTING INTO OPERATION

The connection process of ZigBee devices is referred to as "inclusion". The disconnection process is referred to as "exclusion" Both processes must be initiated by the gateway.

Behaviour in the ZigBee Network

The gateway serves as a base for the ZigBee network in order to communicate with other ZigBee certified devices and/or applications from other manufacturers.

All the network nodes which are not battery powered, regardless of their manufacturer, function as repeaters and improve the reliability of the wireless ZigBee network.

Network Security

Your gateway can communicate encrypted with other ZigBee devices when they also support encrypted communication. If this is not the case, communication is completed unencrypted.

The following sections describe the procedure using the **ET HomeLink** app for the Android operating system. The procedure may differ for the iOS operating system.



INFORMATION

The following screenshots show the app at the time of publication of this operating manual. Newer versions of the app may differ in appearance and content.

Please note that parts illustrated in the screenshots could deviate in appearance from your products.

5.1 INSTALLING THE APP ET HOMELINK APP

- 1. Download the ET HomeLink app from Google Play (Android) or the App Store (iOS).
- 2. Install the app on your smartphone.

System requirements:

Android from version 6.0 iOS from version 13





INFORMATION

During the initial set-up of the app, requests are made as to whether the app is granted authorisation to access functions of your smartphone. Allow access to use the full range of functions of your gateway.

- 3. Open the app on your smartphone and follow the instructions.
- Create a new user account to use the app. Please note that the existing user accounts of the ET HomeLink app are not compatible.
 - → The main view, **My Home**, appears on the screen.

5.2 CONNECT THE GATEWAY WITH THE APP

The following steps describe how to add your gateway to the app.

5.2.1 ADDING THE GATEWAY



1. Tap on the 🕂 button to add a new device.



- 2. Tap on the Add ET Home Link button.
- **3.** Then follow the steps displayed in the setup wizard to set-up your gateway for use for the first time.

5.2.2 SELECTING A NETWORK



1. The WiFi network to which your smartphone is connected is automatically displayed. If necessary, you can integrate the gateway in another Wi-Fi network. To do this, close the app and connect your smartphone to the required Wi-Fi network.



INFORMATION

For your WiFi to be displayed in the **My WiFi Network** field, the following requirements must be met:

- Your WiFi must transmit in the 2.4 GHz frequency range. If your router only supports the 5 GHz frequency range, operation of the gateway is not possible. For more information, refer to the operating instructions for your router.
- The location detection (GPS) of your smartphone must be activated.
- The ET HomeLink app requires authorisation to access your location (GPS). Adjust this setting in your smartphone, if necessary. For more information, refer to the operating instructions for your smartphone.
- Enter your Wi-Fi password in the input field. Make sure you spell your password correctly. The app does not check the WiFi password. If the password is entered incorrectly, the setup process still continues but a connection to your gateway cannot be established.
- **3.** Tap the **Next** button.

5.2.3 CONNECTING THE GATEWAY TO THE POWER SUPPLY



1. Connect the gateway to a suitable power socket using the micro-USB cable and an appropriate USB power adapter, as illustrated.



INFORMATION

No USB power adapter is contained in the package supplied. Use an appropriate USB power adapter with the following technical data:

- Output: 5 V DC, 1 A

2. Tap the **Next** button.



5.2.4 CONFIGURATION OF THE GATEWAY

The gateway automatically switches to Configuration mode. When Configuration mode is activated, the ZigBee LED lights up green/yellow continuously and the Wi-Fi LED flashes green/yellow.



INFORMATION

If the LEDs indicate a different status, reset the gateway to its default factory settings (see 🛄 Section **5.6 Resetting the Default Factory Settings on Page 40**) and repeat the process.



1. Tap the **Next** button.



 Tap on the Configuration mode required: NFC, continue with Section Configuring Using NFC on Page 19 WiFi, continue with Section ConfigurING using Wi-Fi on Page 21



CONFIGURING USING NFC

After selecting the **NFC** option, follow the subsequent instructions. The NFC function ("Near Field Communication") enables compatible devices nearby to exchange data with each other by implementing wireless communication.



INFORMATION

A condition for using the NFC configuration mode is that your smartphone supports the NFC function and that the function has been activated on the smartphone. For more information, refer to the operating instructions for your smartphone.



- **1.** Lay the NFC contact surface of your smartphones (rear side) as illustrated on the NFC contact surface of the gateway.
- **2.** Tap on the **Write** button.
 - → The configuration data is transferred from the smartphone to your gateway.



3. Wait until the configuration process has been completed.



4. When the configuration process has been completed, tap on the **Next** button.

CONFIGURING USING WI-FI

After selecting the **Wi-Fi** option, follow the subsequent instructions.

The process differs according to the operating system (Android, iOS) used on your smartphone. The following instructions describe the procedure for Android.

If you use the iOS operating system, the Wi-Fi configuration (instruction steps 1 - 4) are automatic.



- **1.** Tap on the **Open Wi-Fi settings** button.
 - → The Wi-Fi settings on your smartphone are displayed.
- 2. Tap on the ET HomeLink WiFi.
- 3. If necessary, enter the standard password ET Home Link Wi-Fi link: 11223344.
- **4.** Switch back to the **ET HomeLink** app.



5. Tap the **Next** button.



- **6.** Wait until the configuration process has been completed.
- **7.** When the configuration process has been completed, tap on the **Next** button.

5.2.5 CONCLUDING CONFIGURATION OF THE GATEWAY



- **1.** Assign an unambiguous name for your gateway. The name appears in the app.
- 2. Tap the Save button.
 - → The gateway has been set-up and configured successfully.



INFORMATION

Information on connecting an energy-saving controller to the gateway is available in the respective operating manual. In case of doubt, contact our customer support service, see A Section **8.2 Support and Contact on Page 44**.

5.3 OPERATING THE ET HOME LINK

You can operate your gateway via the **ET HomeLink** app.



- **1.** Tap on the **Gateway** menu option.
- 2. Tap on the tile of the gateway to open a detail view of the device with further information.

C ET Home Link Settings		
Mac address	E868E797B9F7	
Time change Summer/Wintertime		
Wi-Fi Signal -57	Wi-Fi-network-name My WiFi	
Zigbee-Software 69.0.44	Wi-Fi-Software 0.0.42	

- **3.** Tap on the Menu button.
 - → An additional menu appears.



- 4. Tap on the **Edit** button to edit the details of your gateway.
- **5.** Tap on the **Delete** button to delete the gateway from the app.



INFORMATION

If you delete the gateway from the app, all the energy-saving controllers connected via the app (and other devices connected) are also deleted from the app.

6. Tap on the **Device overview** button to open an overview of all devices connected via the gateway.

5.4 OPERATING AN ENERGY-SAVING CONTROLLER

A condition for operating an energy-saving controller via the gateway is that one or more energy-saving controllers are connected via the **ET Home Link** app.

Information on connecting an energy-saving controller to the gateway is available in the respective operating manual.



- **1.** Tap on the **Home** menu option.
- **2.** Tap on the Menu button.
 - ➔ An additional menu appears.



- **3.** Tap on the **Edit** button to edit the name of the room.
- 4. Tap on the **Delete** button to delete the room.



5.4.1 SETTING THE TEMPERATURE IN A ROOM

You can set the temperature for each room individually. After selecting a room, set the desired temperature for the room or radiator.



- **1.** Tap on the desired room (e.g. office).
 - → The current room temperature and the set temperature are displayed.



INFORMATION

Thanks to the "hydraulic balancing" function, all the energy-saving controllers in a room open or close the heating valves evenly. This prevents radiators becoming too hot or too cold.

2. Make additional settings:



- The menu displays all energy-saving controllers that are assigned to the current room. You can define further settings for the selected energy-saving controllers, see Section
 5.4.2 Device settings on Page 29.
- 2 The Current temperature area displays the current temperature in the room.
- Adjust the temperature individually with the setting wheel in the Target temperature area. The temperature selected is transferred to the energy-saving controller.

4 Heating profile off:

The stored heating profile is not active. **Heating profile on**:

The stored heating profile is active. However, you can still make changes to the temperature. The temperature set manually is maintained until the next switching point. The energy-saving controller then switches to the set heating programme.



INFORMATION

Not all the functions shown are activated by default.

5.4.2 DEVICE SETTINGS

The menu of a room (see A Section **5.4.1 Setting the Temperature in a Room on Page 27**.) provides access to all the energy-saving controllers assigned to a room. You have access to additional settings and information regarding the gateway selected:



Not all the functions shown are activated by default.

5.4.3 HEATING PROFILE

In the **Heating profile** menu, you set heating blocks with heating times for different days. You can set the temperature individually for each heating time.

CREATING A HEATING PLAN



- **1.** Tap on the **Heating plans** menu option.
 - → The overview of the heating profiles is displayed.



2. Tap the [●] button to create a new heating profile.
 → The overview of the available rooms is displayed.





- **3.** Tap on one or more rooms for which the heating profile is to apply.
- 4. Tap the **Next** button.
- **5.** Enter a designation for the heating profile in the input field.
- **6.** Tap the **Next** button.



- **7.** Select a symbol for the heating profile.
- **8.** Tap the **Save** button.
 - → You have successfully created the heating profile.

EDITING OR DELETING A HEATING PLAN



- **1.** Option: Tap on the Menu button.
 - → An additional menu appears.



- 2. Tap on the **Edit** button to edit the details of the heating plan.
- **3.** Option: Tap on the **Delete** button to delete the heating plan.



4. Tap the **heating profile** to set the heating times:



INFORMATION

Note that the settings are only transferred to the corresponding energy-saving controller and are consequently activated by firstly tapping the **Save** button.

5.4.4 ABSENCE PLAN

Use the **Away** menu to define a holiday plan for a period of absence. You can set the temperature individually for each switching point.



- **1.** Tap on the **Away** button.
- **2.** Tap on the + button to create a new absence plan.
 - → The overview of the available rooms is displayed.



- **3.** Tap on one or more rooms for which the absence plan should apply.
- **4.** Tap the **Next** button.





- **5.** Enter a name for the absence plan in the input field.
- 6. Tap the **Next** button.



- **7.** Select a symbol for the absence plan.
- **8.** Tap the **Save** button.



- **9.** Option: Tap on the Menu button.
 - → An additional menu appears.



10.Tap on the **Edit** button to edit the details of the absence plan.**11.**Option: Tap on the **Delete** button to delete the absence plan.



12.Tap on the **Away disabled/enabled** button to set the heating times:



INFORMATION

Note that the settings are only transferred to the corresponding energy-saving controllers and are consequently activated by tapping the **Save** button.

absence.



INFORMATION

The temperature can be adjusted manually at any time. The heating plan is not interrupted by adjusting the temperature.

5.5 DISCONNECTING THE ZIGBEE CONNECTION

It may be necessary to disconnect the connection between your gateway and an energy-saving controller.

Ensure that the following condition is fulfilled:

- The batteries have been inserted in the energy-saving controller.
- 1. Open the ET HomeLink app on your smartphone.



- **2.** Tap on the Menu button.
 - → An additional menu appears.





3. Tap on the **Delete** button.

- → The connection to your gateway has been disconnected.
- → PA appears in the display of the energy-saving controller.



INFORMATION

If **Er** appears in the display of the energy-saving controller, repeat the process.



5.6 RESETTING THE DEFAULT FACTORY SETTINGS

Should problems occur, it may help to reset the gateway to its default factory settings.

- **1.** Press and hold the **Reset button** on the rear side for 5 seconds.
 - → Die Wi-Fi LED and ZigBee LED light up red and the gateway is reset.
 - → The Wi-Fi LED flashes green, the ZigBee LED lights up green continuously.
 - → The gateway has been reset to its default factory settings.
 - → The gateway is in Configuration mode.



6 TROUBLESHOOTING

Problems can occur with the gateway. In the case of problems, observe the information on the control lamps, see D Section **4.2 Display Elements on Page 11**.

7 CLEANING AND STORAGE

Disconnect the gateway from the power supply if the gateway will not be used for a longer period.

Store the gateway in a dry, dust-free location.



IMPORTANT!

Material damage possible!

Improper handling of the device can lead to damage.

- \rightarrow Do not immerse the device in water or other liquids.
- ➔ Do not use any brushes with metal or nylon bristles or sharp or metallic cleaning tools such as knives, hard spatulas and such. They can damage the surfaces.
- **1.** Disconnect the power plug from the power socket.
- **2.** Clean the housing surfaces of the device with a soft, dry, lint-free cloth. Do not use cleaning agents or solvents.



8 APPENDIX

The following sections contain information on technical data, customer service and other legal information.

8.1 TECHNICAL DATA

The list below contains the technical data :

Designation	ET Home Link DHA-263
Article number	700263
EAN number	4260012712650
Supply voltage	Micro USB, 5 V
Connection protocol	ZigBee 3.0, Wi-Fi
Radio frequency	ZigBee: 2.4 GHz Wi-Fi: 2400 MHz ~ 2483.5 MHz
Maximum transmission power	ZigBee: 8 dBm IEEE 802.11b: 19 dBm IEEE 802.11g: 19 dBm (6 Mbps) IEEE 802.11g: 15 dBm (54 Mbps) IEEE 802.11n: 19 dBm (MSC0) IEEE 802.11n: 15 dBm (MSC7)
Reception range	70 m
Controllable devices	60
Dimensions	68 × 68 × 24 mm
Weight	40 g

Subject to technical changes at any time. Compatibility information provided without guarantee.

8.2 SUPPORT AND CONTACT

You can contact us for technical support. We look forward to assisting you with your enquiry:

Phone: +49-(0)-6667-91847-0

E-mail: support@eurotronic.org

Customer service: **EUROtronic Technology GmbH** Südweg 1 36396 Steinau-Ulmbach Germany

8.3 DISPOSAL



INFORMATION

Obtain information on the possibility of returning old devices to your dealer free of charge.



The adjacent symbol indicates that electrical and electronic apparatus no longer required must be disposed of separate from domestic waste in accordance with legal directives. Dispose of the device at a collection point provided by your municipal waste authorities.



Observe the identifications on the packaging when sorting the waste materials; the identifications are comprised of abbreviations (a) and numbers (b) and have the following significance: 1-7: plastics / 20-22: paper and cardboard / 80-98: composite materials.



Dispose of the packaging according to type. Dispose of cardboard and carton at waste paper collection points and foil at recyclables collection points. By recycling, material recovery or other forms of recycling, you are making an important contribution to protecting our environment.



The logo only applies to Italy.

8.4 PERSONAL DATA

Delete all personal data from your user account in the **ET HomeLink** app before disposing of your gateway.

8.5 SIMPLIFIED DECLARATION OF CONFORMITY

C EUROtronic Technology GmbH hereby declares that the radio equipment type ET Home Link DHA-263 complies with Directive 2014/53/EU. The entire text of the EU Declaration of Conformity is available at the following Internet address: https://eurotronic.org/service/downloads

8.6 WARRANTY NOTICE

The warranty period is 24 months and begins on the day of purchase. Keep your receipt as proof of purchase. During the warranty period, defective energy-saving controllers can be sent to the service address with sufficient postage. To do this, contact our Customer Service before returning the item. You will then receive a new or repaired device in return free of charge. Receipt of a repaired or replacement of the device does not begin a new warranty period. Please note that we guarantee the functions of the device, not the functionality between the interaction of the device and the valve base.

After the warranty period has expired, you retain the option of sending the device to the address provided for repair, ensuring sufficient postage. Repairs required after the expiration of the warranty period are subject to a charge. Your statutory rights are not limited by this warranty.

8.7 MANUFACTURER

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