MyEschmann
Hub

LittleSister
MyEschmann **Hub**

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ESCHMANN

User Manual

Thank you for choosing Eschmann

Eschmann designs, manufactures and supplies a range of market-leading products including benchtop autoclaves, washer disinfectors, suction units and accessories. For further information visit our website: www.eschmann.co.uk

This manual contains instructions for installation and use applicable to the MyEschmann Hub.

Please read the manual fully before installing or using the product for the first time. Keep the manual handy for quick reference. Always make sure that the manual is available for the next user/owner of the product.

Any failure to follow the instructions as described could result in impaired product function, injury to the user or others, or void applicable product warranties.

Eschmann accepts no responsibility for liability resulting from improper use or maintenance of its products.

Images appearing in this manual are provided for illustrative purposes only, and may differ from the actual product.

Contents

1 Safety and Compliance Symbols

The following symbols can be found in the manual and/or on the product and packaging:

⚠	WARNING or CAUTION (See Section 2)	= = =	DC Voltage
📖ⓘ	Consult the Instructions For Use	-●+	Centre pin positive
Date symbol	Date of manufacture	UKCA	UKCA conformity mark
Manufacturer symbol	Manufacturer	♻🗑	WEEE symbol indicating 'Not for general waste'

2 Safety Instructions

IMPORTANT SAFETY INSTRUCTIONS - READ CAREFULLY AND KEEP FOR FUTURE REFERENCE

This manual shall be read and understood prior to installing and using the MyEschmann Hub. The following signal words are used in this manual:

⚠️ **WARNING:** Indicates a hazardous situation that, if not avoided, could result in serious injury or substantial property damage.

⚠️ **CAUTION:** Indicates a hazardous situation that, if not avoided, will or could result in minor or moderate injury or property damage if ignored.

NOTICE: Indicates important installation, operation or maintenance information that is not hazard related

⚠️ WARNING

- Use only the specific power adapter provided with the MyEschmann Hub. This is a double insulated type denoted by the symbol.
- The specific power adapter provides the correct voltage and current for the MyEschmann Hub.
- Do not use any other type of power adapter. This invalidates the product's compliance and significantly increases the risk of overheating, fire, electric shock, or damage to the MyEschmann Hub.
- If the power adapter appears damaged, do not use it. Using a damaged power supply can result in electric shock and/or fire.
- Do not touch the power adapter with wet hands. This can result in electric shock.
- Do not cover the power adapter. This can result in malfunction, overheating, and/or fire.
- Ensure all peripherals used with this product comply with relevant standards for the country of use and are marked accordingly to meet safety and performance requirements.
- Ensure the cables and connectors of all peripherals used with this product have adequate insulation to meet relevant safety requirements.

⚠️ CAUTION

- Use the MyEschmann Hub indoors only. The unit is not waterproof.
- Do not attempt to disassemble, alter, or repair the MyEschmann Hub, the power adapter, or cabling.
- Tampering or altering the product invalidates the product's safety compliance and warranty.
- Do not block or cover the openings of the MyEschmann Hub. Failure to follow this guideline can cause overheating and affect the reliability of the MyEschmann Hub.
- Do not drop the MyEschmann Hub or the power adapter onto a hard surface.
- If any part of the MyEschmann Hub is damaged or shows obvious signs of breakage, do not use the device. Contact Eschmann support for assistance and repair by authorized service.
- When cleaning, do not spray water or any liquid substance directly on any part of the exterior of the MyEschmann Hub. Spray any cleaning fluid onto a cloth first, then apply to the unit.

NOTICE: Please retain all printed information provided with this product. These documents contain essential instructions and safety guidelines that may be required for future reference. Keeping these materials accessible ensures you have the necessary information to use and maintain the product effectively.
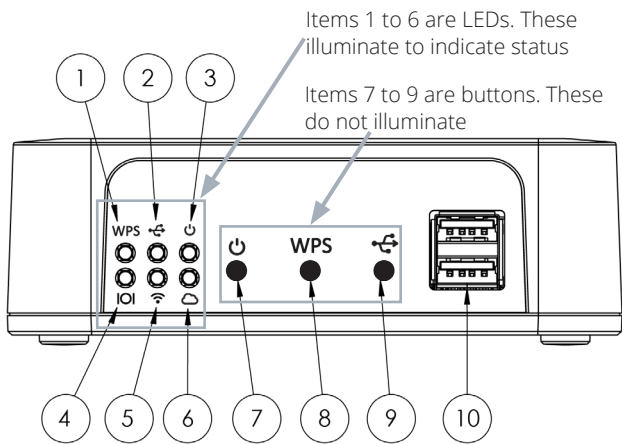
3 Product Description

The MyEschmann Hub is a datalogger designed to interface with autoclaves and washer disinfectors. It captures cycle data from these devices and transmits the information to the MyEschmann Cloud. Users can access and review the cycle data remotely, ensuring accurate monitoring and record-keeping for compliance and performance analysis.
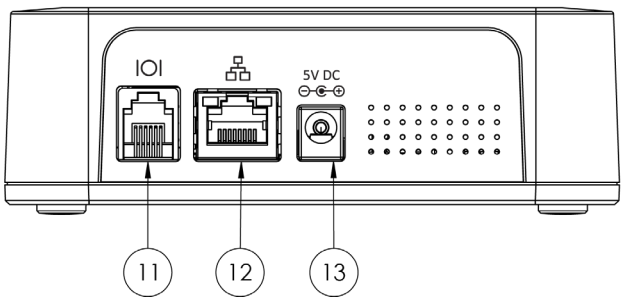
Supplied in the box:
- My Eschmann Hub
- 5V Power adapter
- Serial port cable
- 4 x Hook and loop adhesive pads
- 4 x Rubber feet

Front View

Items 1 to 6 are LEDs. These illuminate to indicate status

Items 7 to 9 are buttons. These do not illuminate

Rear View

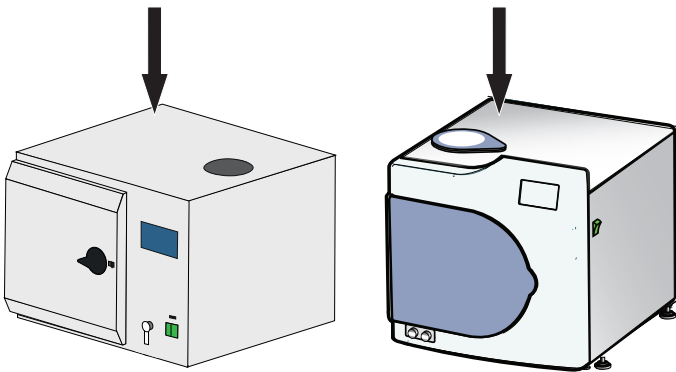| Number	Description
1	WPS LED
2	USB LED
3	Power LED
4	Serial connection LED
5	Network LED
6	Cloud connect LED
7	Power button
8	WPS button
9	USB button
10	USB port
11	Serial port
12	Ethernet port (With blanking plug removed)
13	Power socket

4 Installation

The MyEschmann Hub should be secured to a stable, flat surface using either the four rubber feet or four hook and loop adhesive pads supplied with the product. To secure the device in place, the rubber feet or hook and loop pads should be placed in the four corners of the base of the MyEschmann Hub.

Recommended locations:

Autoclaves:

- It is recommended that the MyEschmann Hub is placed horizontally on the top cover of the autoclave, in the rear left hand position. The front of the device should face forwards towards the front of the autoclave so that LEDs will be visible. It must be in a location away from steam vents and reservoir inlets. Refer to the images below for guidance.

Washer disinfectors:

- For bench mounted washer disinfectors, it is recommended that the MyEschmann Hub is placed horizontally on the top cover of the washer disinfector, in the rear left hand position. The front of the device should face forwards towards the front of the washer disinfector so that LEDs will be visible.

- For underbench washer disinfectors, it is recommended that the MyEschmann Hub is placed horizontally on a shelf, in an adjacent cupboard. The front of the device should face forwards towards the front of the cupboard so that LEDs will be visible.

Ensure positioning of MyEschmann Hub is correct and all cable lengths are adequate before fastening in place, to avoid the need for repositioning.

Please note that the adhesive rubber feet and hook and loop pads provided are designed for single-use only. Removal may result in damage to the adhesive, rendering them ineffective for subsequent use.

5 MyEschmann Hub Quick Start Information

5.1 Initial Power up

Connect the power adapter to the mains outlet socket.

Plug the charger DC jack plug into the MyEschmann Hub power socket. The MyEschmann Hub **will automatically turn on after a delay of 30 seconds**. Following this, the green power button LED ⏻ will illuminate and the blue LEDs will illuminate in a cycling pattern to indicate the device is booting up. The cloud LED ☁ will illuminate when connection to the MyEschmann Cloud has been achieved.

5.2 Power down [to suspend/sleep]

To power down the device, press and hold the power button ⏻ for 3 seconds.

All LEDs will flash then turn off. After a further 10 seconds, the MyEschmann Hub will enter sleep mode.

NOTICE – do not remove the power adapter before powering down the MyEschmann hub.

5.3 Power up [from suspend/sleep]

To power up the device from suspend/sleep, press the power button ⏻. After a delay of 30 seconds, the green power button LED ⏻ will illuminate and the blue LEDs will illuminate in a cycling pattern to indicate the device is booting up.

5.4 Connect to a Machine

To connect the MyEschmann Hub to the machine in use (Autoclave or washer disinfector), connect the supplied serial port cable from the printer port on the machine to the serial port labelled ⚬ on the MyEschmann Hub.

Only the supplied cable should be used. For the location of the printer port on the machine, refer to the machine's instructions for use.

5.5 Connect to network & MyEschmann Cloud

The MyEschmann Hub can be connected to the network using an ethernet cable (Section 5.5.1) or Wi-Fi (Section 5.5.2).

5.5.1 Ethernet

To connect the MyEschmann Hub to the network using an ethernet cable, first remove the blanking plug (If fitted) from the ethernet port labelled ⊟ on the MyEschmann Hub. Next, connect an ethernet cable from your router/network to the ethernet port.

If the network connection is successful, the blue network LED 📶 will illuminate steadily.

The Cloud LED ☁ will illuminate when connection to the MyEschmann Cloud has been achieved.

5.5.2 Wi-Fi

To connect the MyEschmann Hub to the network via Wi-Fi, any of the three following methods can be followed:

- **Via WPS button**

Power up the MyEschmann Hub following the power up procedure. Wait for the MyEschmann Hub to boot.

Activate WPS on the Wi-Fi router (Refer to the router's manual for instructions).

Press the WPS button **WPS** on the MyEschmann Hub. The blue WPS LED **WPS** will begin to flash.

Wait for the blue WPS LED **WPS** on the MyEschmann Hub to stop flashing. The MyEschmann Hub should now be connected to the Wi-Fi network.

When connected successfully, the network LED 📶 will illuminate steadily. The cloud LED ☁ will illuminate when connection to the MyEschmann Cloud has been achieved.

- **Via Ethernet Cable & MyEschmann Cloud**

This method requires connecting the MyEschmann Hub device to a network using an Ethernet cable. You may need to disconnect the MyEschmann Hub from the machine and move it temporarily to a location where an Ethernet cable is available.

Ensure the MyEschmann Hub is powered off.

Open a web browser and navigate to the MyEschmann Cloud:

https://eschmann.co.uk/myeschmann

Log in with your Site Admin credentials.

At the top of the page, select 'Data Loggers'.

Find the correct MyEschmann Hub on the webpage, as identified by the serial number (SN) printed on the label underneath the MyEschmann Hub device.

Click the edit icon 🖉 and update the Wi-Fi SSID and password to match your practice Wi-Fi network name and password.

Click [💾 Save Changes]

Connect the ethernet cable into the MyEschmann Hub ethernet port, labelled ⊟ . Follow the power up procedure to turn on the MyEschmann Hub.

Upon startup, the MyEschmann Hub will obtain the new Wi-Fi network configuration.

The ethernet cable can now be removed from the MyEschmann Hub to check the device is connected via Wi-Fi.

When connected successfully, the network LED 📶 will remain illuminated. The cloud LED ☁ will illuminate when connection to the MyEschmann Cloud has been achieved.

- **Via the USB Port & MyEschmann Cloud**

This method requires a USB memory stick (not supplied).

Open a web browser and navigate to the MyEschmann Cloud:

https://eschmann.co.uk/myeschmann

Log in with your Site Admin credentials.

At the top of the page, select 'Data Loggers'.

Find the correct MyEschmann Hub on the webpage, as identified by the serial number (SN) printed on the label underneath the MyEschmann Hub device.

Click the edit icon ✎ and update the WiFi SSID and password to match your practice Wi-Fi network name and password.

Click **💾 Save Changes**

Navigate back to the 'Data Loggers' page and click the eye icon 👁 for the correct MyEschmann Hub to view the configuration.

Click **⬇ Download Config**

Transfer this file to the root directory/top folder of a USB memory stick. Do not modify the filename or file contents.

Ensure the MyEschmann Hub is powered off.

Insert the USB memory stick into either one of the two USB ports on the MyEschmann Hub.

Follow the power up procedure for the MyEschmann Hub. The device will restart automatically a number of times and the process will take several minutes. During each restart, the MyEschmann Hub's LEDs will go out for 30 seconds.

When connected successfully, the network LED 📶 will illuminate steadily. The cloud LED ☁ will illuminate when connection to the MyEschmann Cloud has been achieved.

The USB memory stick can now be removed.

5.6 Download data to USB memory stick

To download data from the MyEschmann Hub:

Insert a USB memory stick into either one of the two USB ports on the front of the MyEschmann Hub.

Once the USB memory stick is successfully connected, the blue USB LED ⛁ will illuminate steadily.

Any new cycle data collected and stored within the MyEschmann Hub since last insertion will be automatically saved to the USB memory stick. Any new incoming logs received will also be automatically saved to the USB memory stick, while it is present.

When data is transferring to the USB memory stick, the USB LED ⛁ will flash.

NOTICE: Do not remove the USB memory stick until the USB LED ⛁ is steady.

To generate a ZIP file containing copies of all stored logs from the last three years, insert the USB memory stick into either one of the two USB ports and press the USB button ⛁ on the front of the MyEschmann Hub. When data is transferring to the USB memory stick, the USB LED ⛁ will flash.
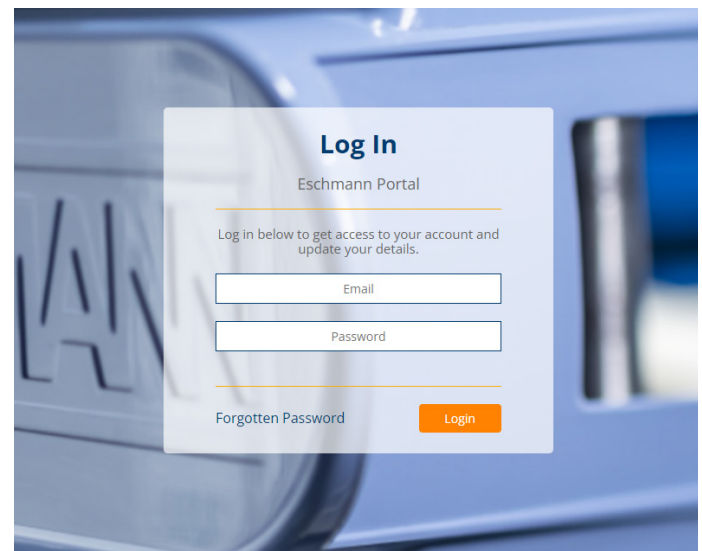
NOTICE: Do not remove the USB memory stick until the USB LED ⛁ is steady.

6 MyEschmann Cloud Quick Start Information

To view data on the MyEschmann Cloud, open a web browser and navigate to:

https://eschmann.co.uk/myeschmann

You can now log in using the credentials provided by Eschmann.

7 Troubleshooting

Issue	Action
⏻ Power LED not illuminated or… No LED is illuminated	Ensure that the power adapter is plugged in to mains electricity, the wall socket is switched on and the DC jack is plugged into the MyEschmann Hub power socket.
	Once initially connected to power, or powered up from sleep mode, there is a delay of 30 seconds before any LED illuminates on the front of the device.
📶 Network LED is flashing	A flashing LED indicates no internet connection.
	Fast flash indicates that the router is detected, but no internet connection is found.
	Slow flash indicates no connection to a router has been detected.
	Has your Wi-Fi network name or password changed? If so, the MyEschmann Hub will need to be configured with the new details. Follow the steps in Section 5.5 of the instructions for use to reconfigure the device.
📶 Network LED is off	The device has no network configuration applied. Follow the steps in Section 5.5 of the instructions for use to reconfigure the device.
⫶O⫶ Serial connection LED not illuminated	The Serial connection LED only lights at those moments during a cycle when data is being received from the equipment, typically at the beginning and end of a cycle and at key points while the cycle is running.
	Ensure that the supplied serial port cable is securely connected to the MyEschmann Hub and the autoclave or washer disinfector.
	Check that the serial port cable has not been inserted into the ethernet port on the MyEschmann Hub, by mistake.
☁ Cloud LED not illuminated	This indicates that the MyEschmann Hub is not connected to the MyEschmann Cloud. Power the device down, then up, following steps 5.2 and 5.3 of the instructions for use. If the device still does not connect to the MyEschmann Cloud, check the MyEschmann Cloud is online on your PC. Contact Eschmann if the problem persists.
⊷ The USB LED does not illuminate when a USB memory stick is inserted	There are 2 x USB ports. Try using the other port and/or a different USB memory stick.
Cycle data not appearing in the MyEschmann Cloud	Check that the MyEschmann Hub is connected to the Network and MyEschmann Cloud. Power the unit down, then up, following Sections 5.2 and 5.3 of the instructions for use.
	Check that the date and time is correctly set on the autoclave or washer disinfector. If not, cycles may be uploaded on the wrong date.
The MyEschmann Hub is taking a long time to power up	When powering up the MyEschmann Hub, there is a delay of 30 seconds before any LEDs light up. Next the blue LEDs begin a cycling motion. Periodically, if there are software updates to install, the cycling blue LEDs may continue for a longer time and the device may need to restart and repeat the process a few times before it is ready to receive data.

8 Technical Data

Power supply unit		Input: 100 to 240V AC, 50-60Hz, Output: 5V DC, maximum 4.0A, 20W
MyEschmann Hub DC input		5.0 V DC, 1.75A typical
Radio connectivity		2.4 GHz (2401MHz-2484MHz) and 5.0 GHz (5150MHz-5885MHz) IEEE 802.11b/g/n/ac wireless LAN with onboard antenna, output power <20dBm The WLAN radio technology of this device is designed for use in all countries in the European Union and Switzerland, Norway and Iceland. In France, indoor use only is permitted.
Dimensions		125 x 85 x 40mm
Mass		170g
Environmental requirements	Operating	Temperature: 0 to 40 °C Relative humidity: 20 to 80 %
	Storage	Temperature: -20 to 80 °C Relative humidity: 10 to 90 %
Cooling		Convection cooled

9 Disposing of Electrical/Electronic Equipment

This symbol on the product(s) and/or accompanying documents means that used electrical and electronic equipment (WEEE) should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

Service

Eschmann products are supported by a worldwide network of fully trained engineers, offering high quality Eschmann spare parts. For further information on the range of Service Contracts available, please contact your local Eschmann representative.

Eschmann can be contacted during normal office hours. Please quote the model and serial number exactly as printed on the product label. Please use the contact details below.

Warranty

This product and purchased accessories are warranted for a minimum period of 12 months to be free from defects in materials and workmanship at the time of delivery.

Eschmann will be under no liability for any defect arising from fair wear and tear, negligence, wilful damage, misuse, abnormal working conditions, failure to follow the manufacturer's instructions, unauthorised alteration or repair of hardware, unauthorised or accidental alteration of software or configuration, lost profits, commercial loss, economic loss, or loss arising from personal injury. We may, at our discretion, raise a charge for any faults repaired that fall outside the warranty cover. Where charges are necessary, replacement parts will be charged at manufacturers' list prices and labour will be charged at the prevailing hourly rate. Repairs performed by Eschmann carry a 3-month parts and labour warranty.

The details in this manual are correct at time of going to press and supersede details previously published elsewhere. Information, technical specifications and statements made in this publication may be subject to change without prior notice.

Ingenuity in
infection control
since 1830