

Lablink Hub

Operator's Manual

PalmSens BV

Version 002, 2026-11-17

PalmSens

If you have problems

First make sure to check the “Troubleshooting” section in this document and the Knowledge Base on our website: www.palmsens.com/knowledgebase/. This page contains support information on installation, software updates, and training. Please make sure your software and firmware are up-to-date.



In case of persistent problems

- Use the contact form: www.palmsens.com/contact/
- Give us a call: +31 30 2459211
- Or send an email: info@palmsens.com

Please describe the problem in as much detail as possible. Sending us the relevant method files, data files and screenshots can be helpful. Please include your instrument model and serial numbers, as well as any applicable software and firmware version you are using.

Limited Warranty

Except as otherwise provided herein, PalmSens BV warrants to buyer three years from the date title to the product passes (transfer date of goods from seller to buyer), each product sold hereunder will be free of defects in materials or workmanship and will conform to specifications set forth in PalmSens BV’s published data sheets or, where applicable, operator’s manuals for PalmSens BV’s system products in effect at the time title passes.

PalmSens BV’s sole liability and responsibility for products under this warranty is for PalmSens BV to repair or replace any product that is returned to it by buyer or credit buyer’s account for such returned product, provided that PalmSens BV shall have the right to reject any such remedy where PalmSens BV determines that the warranty does not apply. Products returned to PalmSens BV for warranty service will be shipped to PalmSens BV at buyer’s expense and will be returned to buyer at PalmSens BV’s expense. PalmSens BV’s obligation to honor its warranty for a product is contingent upon receipt of payment in full for such product.

See our website for more detailed information:
www.palmsens.com/terms-and-conditions/

Disclaimers

PalmSens BV is not liable for any direct, indirect, incidental, or consequential damages resulting from the use or misuse of its instruments, including but not limited to:

- Damage to the instrument caused by improper handling, unauthorized modifications, or use outside the recommended specifications.
- Malfunction or incorrect results due to improper sample preparation, contamination, or incorrect experimental setup.
- Loss of data or research results caused by software crashes, hardware failures, or power interruptions.
- Personal injury or property damage resulting from incorrect wiring, exposure to hazardous chemicals, or misuse of electrical connections.

Results obtained using PalmSens instruments depend on experimental conditions, sample properties, and user expertise. Users are responsible for verifying the validity of their data. Changes in specifications and typing errors reserved. Every effort has been made to ensure the accuracy of this document. However, no rights can be claimed by the contents of this document.

By using PalmSens instruments, the user acknowledges and accepts these limitations and responsibilities.

See Appendix A for CE declaration of conformity.

Copyrights

Lablink Hub – Operator's Manual.

Copyright © 2024-2026, PalmSens BV, all rights reserved.

PSTrace, MultiTrace, Nexus, PalmSens, EmStat, MultiEmStat, Sensit and Lablink are trademarks of PalmSens BV.

No part of this document may be copied or reproduced in any form without the prior written consent of PalmSens BV.



Table of Contents

1. Introduction 1
1.1. Scope of this manual 1
1.2. Lablink: Networked Electrochemical Research 1
1.3. Supported Instruments 1
2. System Overview 3
2.1. Functional overview 3
2.2. Network connections 3
2.3. Network architecture 3
3. Installation and Setup 5
3.1. Unboxing the Lablink Hub 5
3.2. Setting up the Lablink Hub 5
3.3. Making a direct connection to the Lablink Hub via Wi-Fi 7
3.4. First-time configuration 9
3.5. Configuring PSTrace Xpress for Lablink 13
3.6. Grouping instruments or channels 15
3.7. Channel identification 16
4. User access and management 17
4.1. User accounts and permissions 17
4.2. Multi-user access 17
4.3. Adding users 18
4.4. Deleting users 18
5. Measurement Control 20
5.1. Starting and monitoring measurements 20
5.2. Running long-duration experiments 20
5.3. Resuming measurements after disconnection 20
6. Measurement data management 21
6.1. Measurement data storage and retrieval 21
6.2. Storing and loading method files to and from the Lablink Hub 21
6.3. Deleting measurement data 22
7. Limitations and Troubleshooting 23

7.1. Number of supported instruments and channels 23
7.2. Connecting multiple single-channel instruments via USB hubs 23
7.3. Troubleshooting connection issues 23
7.4. Password recovery 24
7.5. Firmware and Software Updates 24
Appendix A: EU Waste Electrical and Electronic Equipment (WEEE) Directive 25
Index. 26

Chapter 1. Introduction

1.1. Scope of this manual

This manual explains how to install configure and operate the Lablink Hub by PalmSens BV. It provides essential information needed for users administering or accessing the Lablink Hub through the local network. The Lablink Hub consists of software running on a compact small-form-factor computer. This manual **does not** cover hardware details maintenance or specifications of the computer itself. The computer model number can be found on the bottom of the device.

1.2. Lablink: Networked Electrochemical Research

Lablink is the proprietary system used to manage instruments over a Local Area Network (LAN). It enables seamless instrument and channel sharing, while providing robust data buffering and storage capabilities.

The Lablink Hub The Lablink Hub is a dedicated instrument server designed to streamline electrochemical research. It acts as the bridge between your hardware and the network, allowing standard PalmSens instruments to interface with the Lablink platform.

Key Features and Connectivity

- **Local Hosting:** The Lablink platform is hosted locally on one or more Lablink Hubs or Lablink-powered instruments within the network.
- **Accessibility:** By connecting single- or multi-channel potentiostats to a Lablink Hub, they become accessible to any authorized user on the LAN.
- **Resource Management:** The platform centralizes control, allowing for efficient sharing of instruments or instrument-channels and synchronized data management.



Lablink brings flexibility speed and reliability to your electrochemical workflows by centralizing access and ensuring stable measurement execution.

1.3. Supported Instruments

The Lablink Hub currently supports the following PalmSens potentiostats:

- MultiPalmSens4

- MultiEmStat4 LR and HR
- PalmSens4
- EmStat4S LR and HR
- MultiEmStat3 and 3+
- EmStat3 and 3+
- Sensit-series

Chapter 2. System Overview

This section provides a high-level overview of the Lablink system architecture including how it functions as an instrument server how it connects to your network and how multiple users can share access to connected instruments.

2.1. Functional overview

The Lablink Hub acts as a dedicated instrument server that manages communication measurement execution and data handling for all connected PalmSens potentiostats. Instead of relying on a Windows PC to run and maintain long-duration measurements the Lablink takes direct control of the instrument during operation. Once a measurement is started from PSTrace Xpress the method is transferred to the Lablink Hub which then executes the measurement autonomously. This ensures stable and uninterrupted operation even if the client PC disconnects or shuts down. All raw data metadata and method information are stored locally on the Lablink Hub's internal storage. Users on the same network can access connected instruments through the Lablink Hub's IP address allowing multiple users to share and reserve devices without physically reconnecting hardware. The Lablink Hub manages instrument availability status reporting and session handling to ensure safe multi-user access. In addition to instrument control the Lablink Hub provides a secure communication layer between clients and instruments over LAN. It handles command routing data buffering time synchronization and error reporting. This architecture ensures consistent measurement performance reliable data integrity and efficient use of shared laboratory resources.

2.2. Network connections

To access the Lablink Hub make sure it is connected to the same Local Area Network (LAN) as the PC or laptop you are using. The Lablink Hub is preconfigured to obtain an IP address automatically via DHCP. Please ensure that your network has DHCP enabled so that an IP address can be assigned automatically. The Lablink Hub can either be connected via ethernet using its standard RJ45 ethernet port or it can be connected to the network via Wi-Fi. In case you cannot connect to the Lablink Hub in your browser via lablink.local make sure you are in the same subnet. See also section troubleshooting.

2.3. Network architecture

The Lablink Hub connects via USB directly to the instrument. When the Lablink Hub

is connected to the network either via its RJ45 LAN connector or via Wi-Fi it can be accessed by any PC which is on the same network. The Lablink Hub provides an asynchronous programming interface (API) accessible via HTTP calls. Any PCs on the same network can communicate with this API either through a web browser or via the PSTrace software for Windows. In this way the Lablink Hub acts as a bridge between the instrument and the PCs. A user can control the instrument as long as they are connected to the network even if they are not physically near the instrument.

The Lablink Hub makes it possible for example to split a MultiEmStat4 with 12 channels so that three different users can work simultaneously as shown in the figure below.

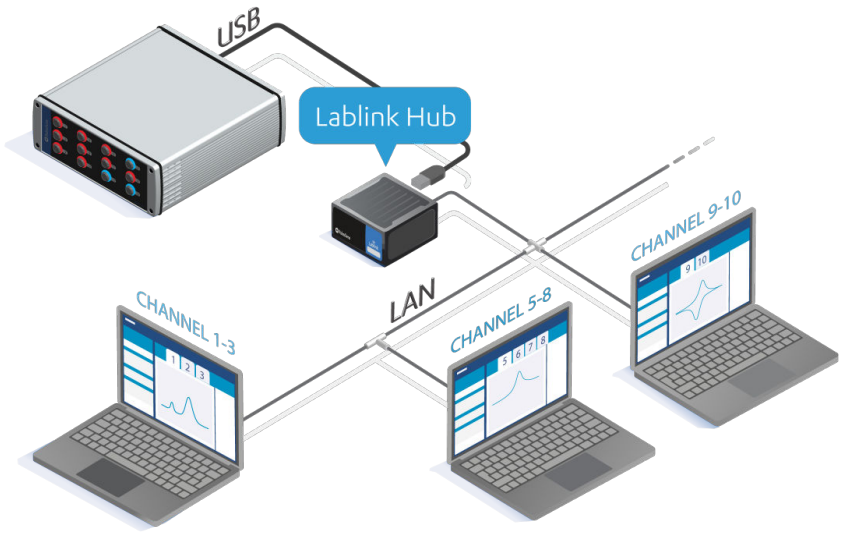


Figure 1. Example configuration of a Lablink Hub in a LAN showing a single 12-channel MultiEmStat4 being used by three users

Chapter 3. Installation and Setup

3.1. Unboxing the Lablink Hub

The Lablink Hub is delivered as a compact PC preconfigured to operate as an instrument server. When unboxing handle the unit on a clean surface and avoid blocking ventilation grilles on the sides. Inspect the housing for transport damage and verify the serial number sticker on the bottom for inventory records. Keep the packaging materials until you confirm the unit powers on and connects successfully.

The package includes:

- The Lablink Hub
- Power adapter
- Ethernet cable
- Quick Start document (hard copy)
- This Operator's Manual (hard copy)

Check the contents of the box and verify package integrity. In case of missing components or doubts please contact PalmSens BV.

3.2. Setting up the Lablink Hub

Follow these steps to set up the Lablink Hub.

Step 1: Place the Lablink Hub

Place the Lablink Hub in a convenient location near the single- or multi-channel potentiostats you will be using.

Step 2: Connect Power

Connect the power adapter to the Lablink Hub and a wall socket.

Step 3: Connect to LAN

Connect the ethernet cable to an available ethernet port in your local network. Connect the other end to the right-hand port on the back of the Lablink Hub with the **2.5G** symbol:

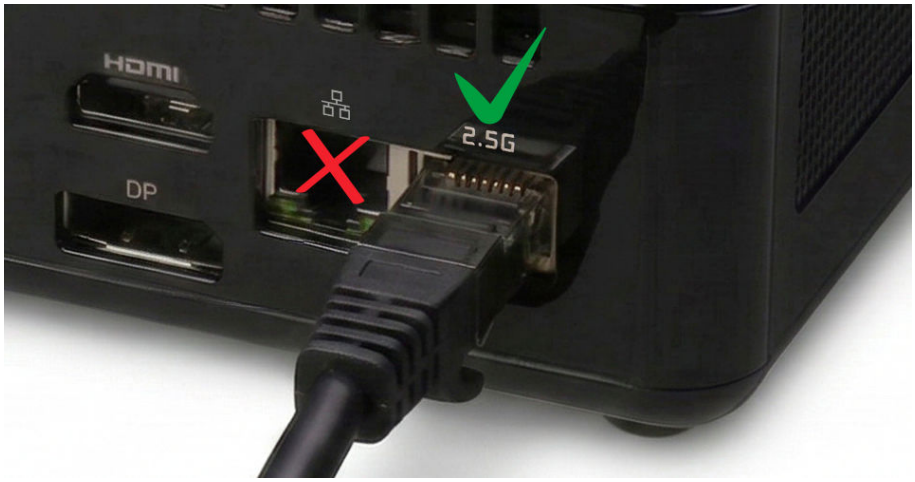


Figure 2. Ethernet cable connected to far-side LAN port on the Lablink Hub

Make sure to connect the ethernet cable to a LAN port that is in the same subnet of the PC or PCs you intend to use with the Lablink Hub. The Lablink Hub is preconfigured to obtain an IP address automatically via DHCP. Please ensure that your network has DHCP enabled so that an IP address can be assigned automatically.

Step 4: Switch On

Switch on the Lablink Hub by pressing the power button for ~1 second. The Lablink Hub will start up and automatically connect to the network. The booting sequence may take a minute.



Figure 3. Switching on or off the Lablink Hub

This instrument is switched off by briefly pushing the same button again.

3.3. Making a direct connection to the Lablink Hub via Wi-Fi

In hotspot mode, the Lablink Hub creates its own Wi-Fi network. Connect your PC to this Wi-Fi network to use the Lablink Hub without a network cable and without an existing Wi-Fi network. You can then run measurements in PSTrace Xpress in the usual way.

The Lablink Hub decides at startup whether it starts in **hotspot mode**. It does so automatically when:

- no network cable is connected to the Lablink Hub, and
- the setting **Enable Wi-Fi** is switched off. When **Enable Wi-Fi** is switched on, the Lablink Hub connects to an existing Wi-Fi network instead.

Table 1. Hotspot connection details

Item	Value
Wi-Fi network name	Lablink-Hotspot-<serial number>, for example Lablink-Hotspot-4472609002230
Wi-Fi password	LablinkHotspot
IP address	192.168.77.1
Web interface	http://192.168.77.1/

Setting up the Wi-Fi connection

1. Disconnect the network cable from the Lablink Hub, if one is connected.
2. If the Lablink Hub has been configured before, make sure that **Enable Wi-Fi** is switched off in the Lablink Hub settings. See Section 3.4.4, “Step 4: Lablink Hub settings”.
3. Switch on the Lablink Hub and wait until it has started. If it is already on, switch it off and on again, because the Lablink Hub only starts hotspot mode at startup.
4. On your PC, open the list of available Wi-Fi networks and select the network `Lablink-Hotspot-<serial number>`.

   The number in the network name is the serial number of your Lablink Hub, which is printed on the bottom of the unit. Every Lablink Hub therefore has a different network name.

5. Connect with the password `LablinkHotspot`.
6. Wait until your PC shows that it is connected.

   Your PC may show "No internet". This is normal, because the hotspot of the Lablink Hub does not provide internet access.

7. In PSTrace Xpress, add the Lablink Hub manually with the IP address '192.168.77.1'.
8. Connect your PalmSens instrument to the Lablink Hub. You can now measure in the same way as with a cable or network connection.

Good to know about hotspot mode

- **Always add the Lablink Hub manually.** In hotspot mode, the Lablink Hub cannot be found automatically: neither http://lablink.local nor the scan in PSTrace Xpress finds it. Always add it with the IP address `192.168.77.1`.
- **Restart to start the hotspot.** The Lablink Hub only decides at startup whether it starts the hotspot. If you unplug the network cable or switch off **Enable Wi-Fi** while the Lablink Hub is running, restart the Lablink Hub to start the hotspot.
- **No internet access.** The hotspot does not give your PC access to the internet. If you need internet at the same time, use a second connection on your PC, for example a network cable.



The hotspot password is the same for every Lablink Hub and is

published in this manual. Anyone within Wi-Fi range can therefore connect to the hotspot. Only use hotspot mode where this is acceptable, and switch back to normal network mode when you no longer need the hotspot.

Returning to normal network mode

1. Connect the network cable to the Lablink Hub. The Lablink Hub starts using the cable connection right away, but the hotspot stays on.
2. Restart the Lablink Hub to switch off the hotspot.

3.4. First-time configuration

Step 1: Accessing the Lablink Hub via your browser

Make sure your PC is in the same network as the Lablink Hub and open a browser window to http://labink.local (or use the Lablink Hub's `192.168.77.1` IP address when connected via a direct Wi-Fi connection). The http://lablink.local address points to a page hosted on the Lablink Hub which shows all the available Lablink-devices in your network. See the image below:

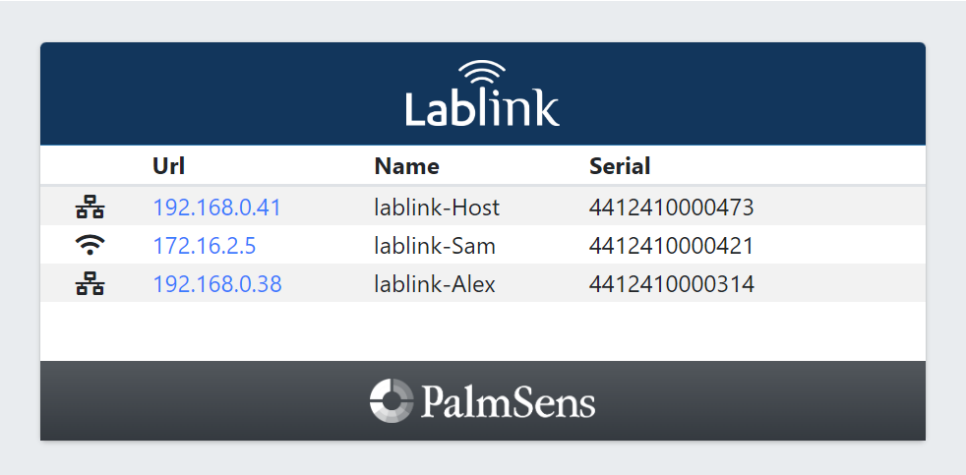


Figure 4. Overview of available Lablink Hubs in the LAN

Step 2: Registering the first user

Click on the IP address (in blue) of the Lablink Hub you just installed. You can use the serial number on the bottom of the Lablink Hub to verify which is the one you want to install. A window opens that allows you to register as a new user.

For more information about user management see section Chapter

4, *User access and management*.

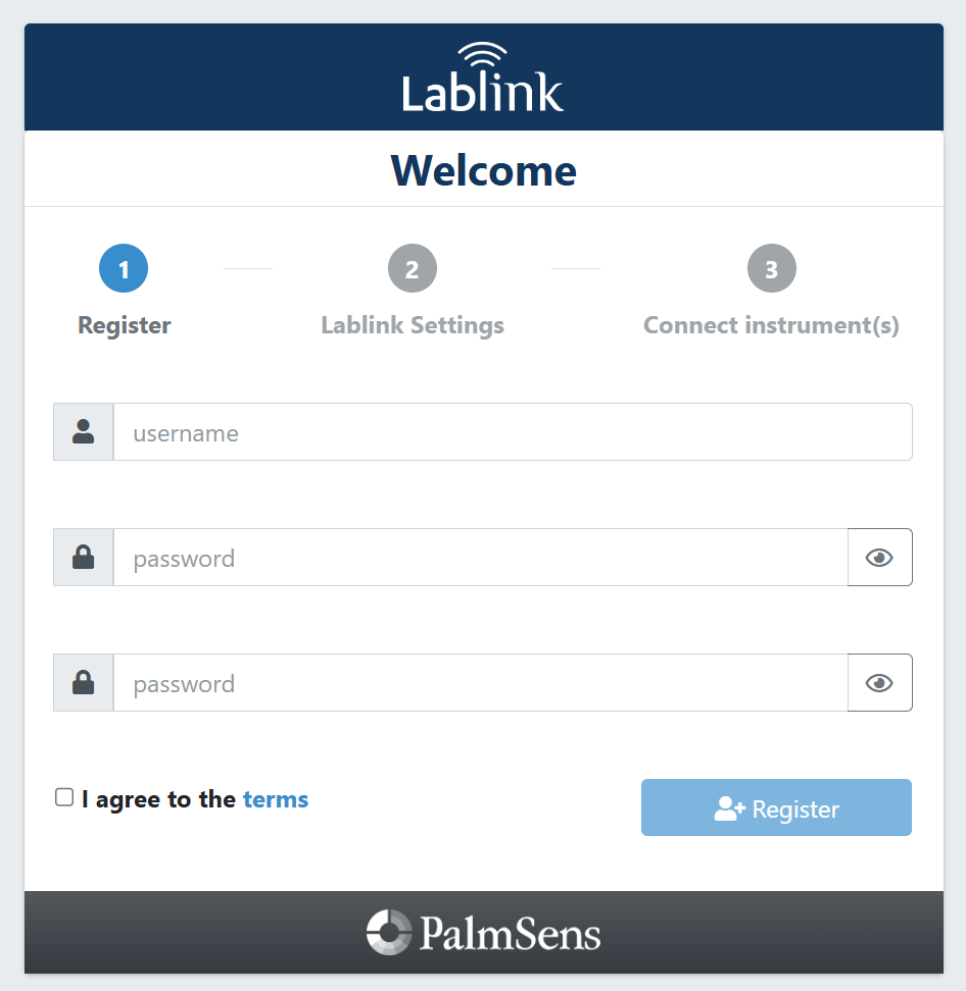


Figure 5. Welcome window displayed when accessing the Lablink Hub for the first time

Step 3: Set username and password

Choose a username and a password. The username will be shown to other users of the Lablink Hub when connecting to one or more channels in PSTrace Xpress. There is no specific limit for the number of users registered to a single Lablink Hub.

Step 4: Lablink Hub settings

In the next window you can change the name of your Lablink Hub at your convenience. You can also change the default Ethernet network settings or connect the Lablink Hub via Wi-Fi.

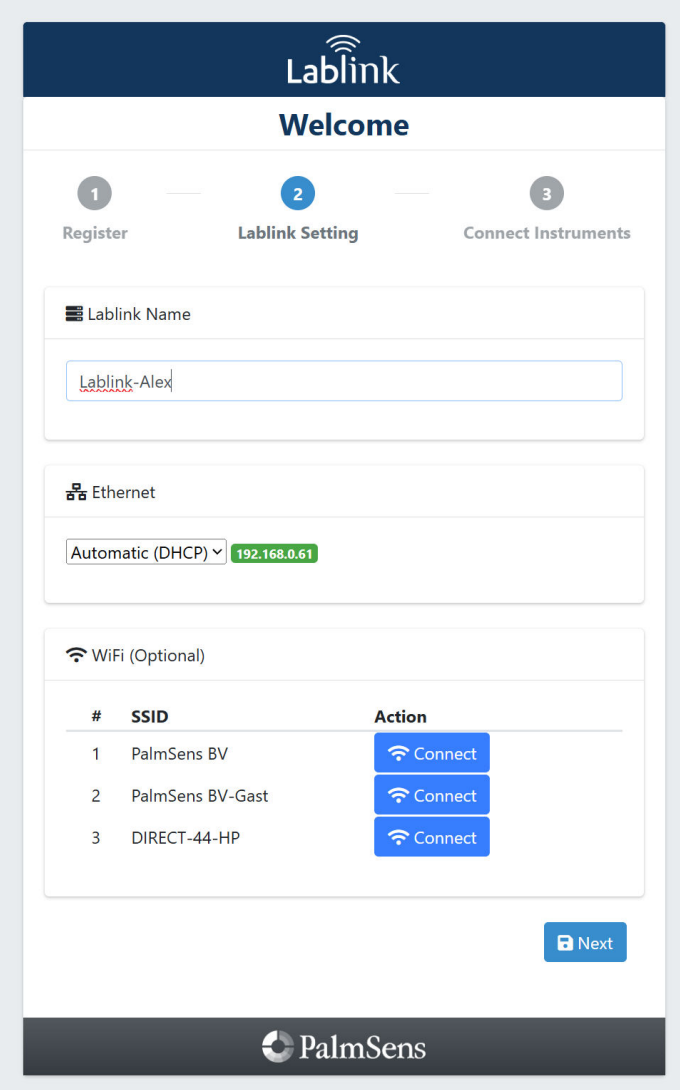


Figure 6. Lablink Hub Settings window

Step 5: Connecting instruments

The browser will now show the instructions to connect instruments to the Lablink Hub. It is not necessary to do this step right away you can also connect instruments later on.

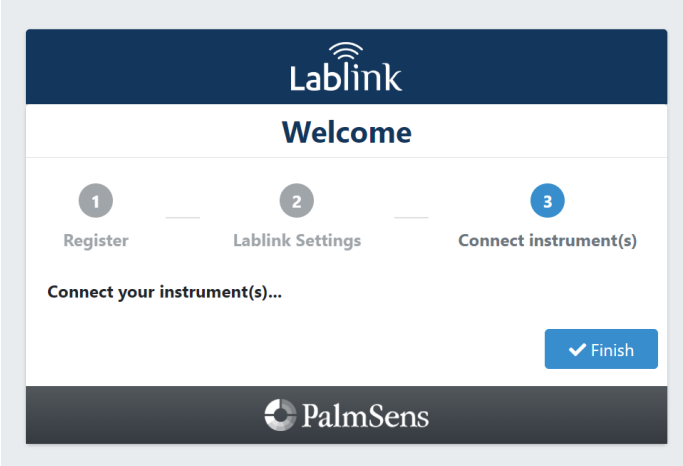


Figure 7. Lablink Hub showing instructions for connecting one or more instruments

Connect your single- or multi-channel potentiostat(s) to the Lablink Hub via USB. Connect the USB cable of your single- or multi-channel potentiostat(s) to any of the USB-A ports in the front or back of the Lablink Hub:



Figure 8. The USB-A port on the front of the Lablink Hub

Instruments will appear automatically in the dashboard. The list with available instruments is refreshed automatically.

Step 6: Lablink Hub Dashboard

After completing the setup you will be directed to the Lablink Hub dashboard.

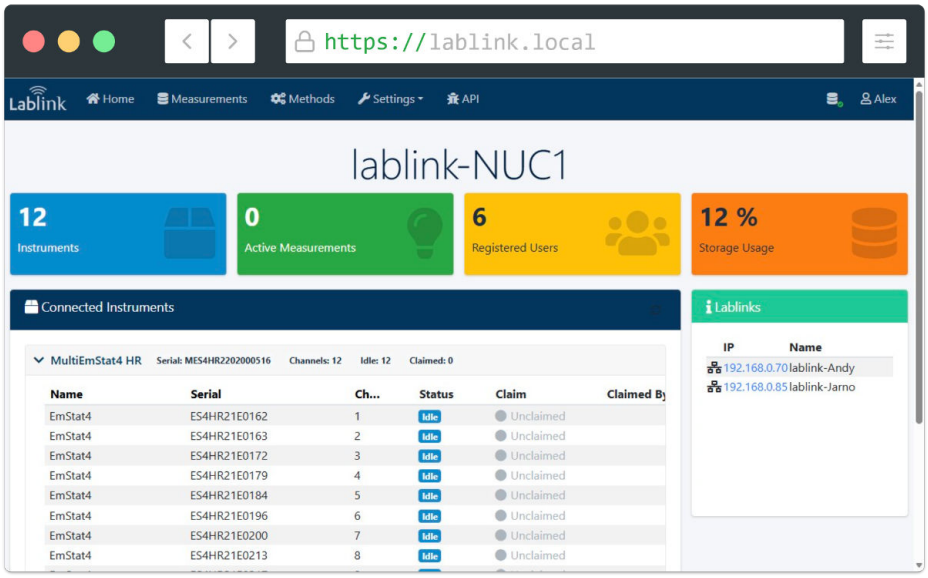


Figure 9. The Lablink Hub dashboard

In the Lablink Hub dashboard you can see:

- how many instruments or instrument channels are connected
- how many measurements are running via the Lablink Hub
- how many users have registered on the Lablink Hub
- how much of the internal storage is used
- and what the status is of each connected instrument or instrument channel.

Other things you can do in the Lablink Hub dashboard are:

- changing the Lablink Hub name
- changing network settings
- removing users
- and browsing and deleting measurement data.

Step 7: Start using the Lablink Hub

You are now ready to start using the Lablink Hub with PSTrace Xpress. The next section explains how to configure the Lablink Hub in PSTrace Xpress and how to start measurements via Lablink.

3.5. Configuring PSTrace Xpress for Lablink

To use the Lablink Hub with PSTrace Xpress make sure you have PSTrace Xpress version 1.8 or later installed. Follow the steps below to configure PSTrace Xpress for

Lablink operation.

Step 1: Open PSTrace Xpress

Launch PSTrace Xpress on your Windows PC. Make sure your PC is connected to the same Local Area Network (LAN) as the Lablink Hub.



If this is the first time opening PSTrace Xpress it is recommended to read the PSTrace Xpress Help section “Getting Started with PSTrace Xpress and MyPalmSens” first.

Step 2: Connect to the Lablink Hub

In the main window of PSTrace Xpress click on the button **Lablink** in the **Instruments** panel on the left hand-side. This opens the Settings window for Lablink.

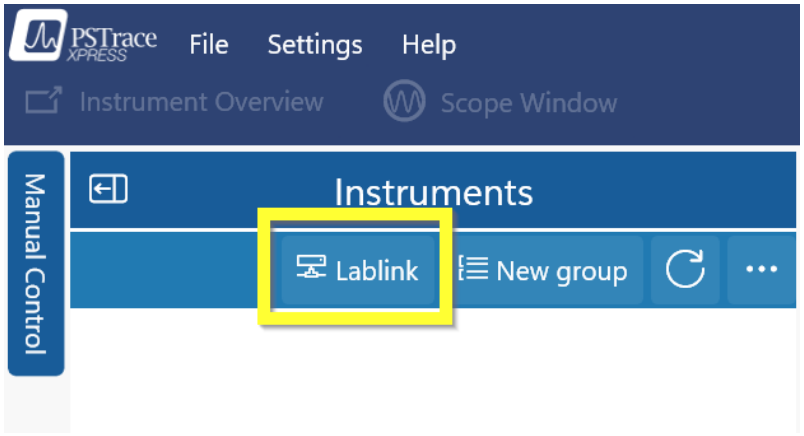


Figure 10. Lablink button in PSTrace Xpress

Enable the checkbox **Enable Lablink scanning** and allow the software to scan for available Lablink Hubs in the network. When the checkbox is set the first time, Windows will ask for permission to allow PSTrace Xpress to discover devices in the network. Make sure to allow this.

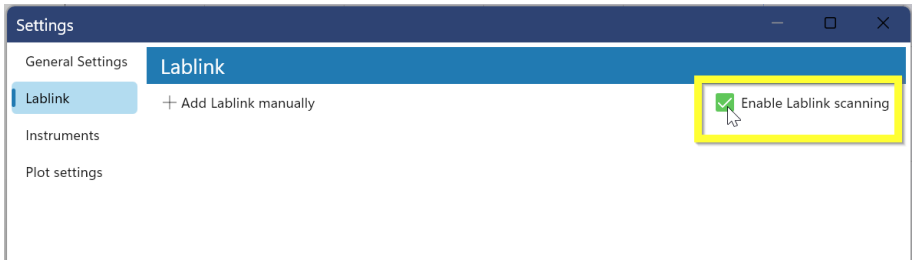


Figure 11. Allow PSTrace Xpress to scan for available Lablink Hubs

Shortly after allowing the scan the available Lablink Hubs and other Lablink-powered devices will appear in the list.

Step 3: Select your Lablink Hub

Click on the toggle button of the Lablink Hub you want to connect with. Two input fields appear for entering a username and password. Enter the username and password you created when setting up the Lablink for the first time and click the small **OK** button next to the password field or press Enter. Then click **OK** again at the bottom of the Settings window.

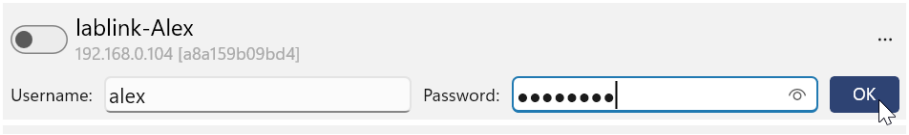


Figure 12. Lablink button in PSTrace Xpress

Step 4: Connect to instrument(s)

The **Instruments** panel in PSTrace Xpress should now show the instrument(s) connected via USB to your Lablink Hub. You can now select the instrument and start using it as you would normally do in PSTrace Xpress. You can connect to one or more instruments by clicking the toggle buttons in the Instruments Panel in PSTrace Xpress and start running measurements.

3.6. Grouping instruments or channels

In case you are interested in controlling only a subset of channels from a multi-channel instrument: Create a new group using the **New group** button found next to the **Lablink** button in PSTrace Xpress. You can change the group name by clicking the icon ••• next to it. Then select the channels you want to use with the CTRL or SHIFT keys and click the ••• icon on one of these channels. Then in the pop-up menu select **Move to › [Group name]** See the picture below. You can also drag and drop channels to the new group.

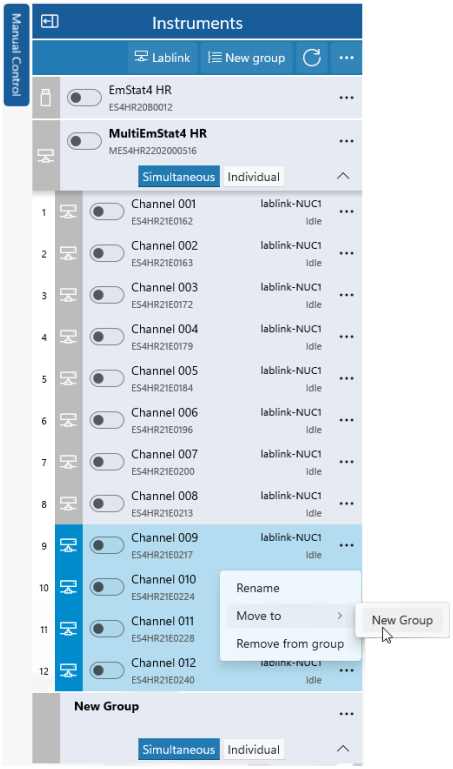


Figure 13. Creating a new group in PSTrace Xpress with a subset of channels from a MultiEmStat4

Channels can only be moved to a new group if they are not connected (toggle button is grey).

3.7. Channel identification

When managing multiple devices, you can easily identify which physical unit corresponds to the one shown in the software. Navigate to the Lablink Dashboard on the Home page and locate the list of connected devices. To identify a specific unit, click the icon in the identification column. This causes the LED on the corresponding physical instrument or channel to blink briefly.

Chapter 4. User access and management

Lablink allows multiple users within the same network to access connected instruments without physically swapping cables or managing device connections manually. All users share equal access rights and the system relies on mutual trust and communication among colleagues. This section explains how user accounts work how to manage multi-user access and how to add or remove users from the Lablink Hub.

4.1. User accounts and permissions

The Lablink Hub supports multiple user accounts to enable shared access across a laboratory or research group. Each user registers with a username and password through the browser interface at lablink.local. User accounts serve primarily to identify who is using which instrument or channel preventing accidental interference between colleagues.

Lablink does not implement strict role-based permissions or administrator privileges. All registered users have equal access to:

- view connected instruments and their availability
- claim and release instruments or instrument channels
- start and monitor measurements
- and browse and download stored measurement data and methods.

The password requirement exists mainly to prevent unintended disruptions, such as accidentally disconnecting a colleague's active measurement or claiming a reserved channel. It is not designed as a security barrier against deliberate misuse.



User management in Lablink is based on the principle of mutual trust among colleagues.

4.2. Multi-user access

When a Lablink user connects to one or more instruments or channels (both referred to as "channels") in PSTrace Xpress these channels will automatically become unavailable to other users. In the Lablink Hub dashboard this can also be seen as the channel will be shown as "Claimed". The channel becomes available again once the user disconnects and no measurement is running. For planning or longer experiments users can reserve channels from the browser at lablink.local using the

Claim buttons ensuring predictable access without cable swapping.



The Claim buttons allow for making a long-term reservation on one or more instruments or channels.

Claiming a channel informs other Lablink users that it is reserved. The channel remains unavailable to others even after disconnecting.

Claims are not permanent: any user can release a claim from the dashboard if needed. The claiming system exists solely to prevent accidental interference with ongoing experiments and to make it clear which user is responsible for each channel.



Any user can remove the claim from any other users in the Lablink Hub dashboard. The claiming system is only to ensure that users cannot accidentally interfere with running experiments.

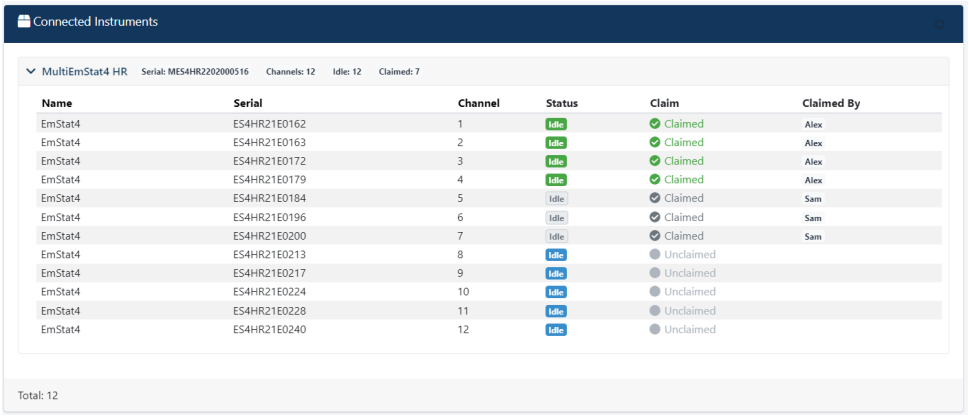


Figure 14. An overview of claimed and available channels on lablink.local

4.3. Adding users

Users can be added via the browser interface. If you are creating a user for another person make sure to logout first from your own account by clicking the user icon in the top-right corner and selecting **Logout**. This returns you to the sign-in screen where a new user can register.

On the sign-in screen click **Register as new user** to create a new account.

4.4. Deleting users

Users can be deleted from the Lablink Hub dashboard. To delete one or more users from the Lablink Hub go to the Lablink Hub dashboard and make sure you are

logged in. In the menu **Settings** select **Users**. This opens an overview of all registered users. The password of each user can be edited here and users can be deleted by clicking the delete button next to their name.

All users are automatically admin and can delete other users. For more information about user management. See also section User accounts and permissions.

Chapter 5. Measurement Control

5.1. Starting and monitoring measurements

Measurements are initiated from PSTrace Xpress. Once a measurement is started the method is transferred to the Lablink Hub which takes over execution. Users can monitor progress and view real-time data through the same client application used to start the measurement.

5.2. Running long-duration experiments

When running a measurement via the Lablink Hub this measurement is executed autonomously by the Lablink Hub. This means that even if the PC disconnects the measurement continues uninterrupted. This makes the Lablink Hub especially suitable for long-duration experiments that may take hours or even days to complete.

5.3. Resuming measurements after disconnection

If a PC disconnects with the Lablink Hub the measurement continues uninterrupted. Users can reconnect in PSTrace Xpress or access results via the Lablink Hub dashboard. Resuming a measurement can be done by reconnecting to the same instrument channel(s) in PSTrace Xpress. The Lablink Hub maintains the measurement state allowing users to pick up where they left off without data loss.

Once a connection to an instrument or channel is re-established while a measurement is still running, the Lablink Hub automatically synchronizes the data. If the buffer contains fewer than 50000 datapoints per active instrument or channel, the Lablink Hub instantly transmits the stored measurements and appends new data in real-time. The session continues in PSTrace Xpress seamlessly as if the software had been connected from the start. This flexibility allows you to resume measurements from any PC on the same network.



Resuming a large measurement

If the buffer exceeds 50000 datapoints per channel only new incoming data will be plotted to maintain system performance.

Once the measurement is complete all raw data metadata and method information are securely stored on the Lablink Hub's internal storage. Users can load this data for analysis or archiving.

Chapter 6. Measurement data management

6.1. Measurement data storage and retrieval

All measurements ran via Lablink Hub are automatically stored on the Lablink Hub. There is no setting to switch this on and off. Users can browse download or delete measurement data through the Lablink Hub dashboard. Data is organized by date user and instrument/channel-name for easy retrieval.

All measurement data can be loaded directly in PSTrace Xpress via the menu: **File › Open Session...**. The Lablink Hub can then be found at the top of the list with file locations. See image below.

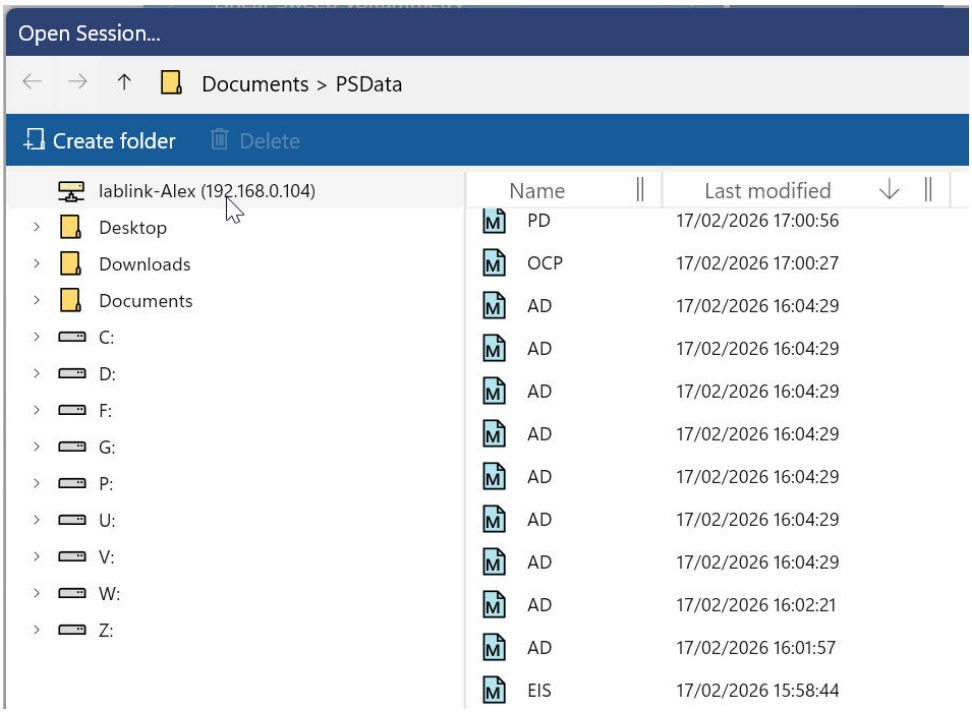


Figure 15. Loading measurement data from the Lablink Hub in PSTrace Xpress

6.2. Storing and loading method files to and from the Lablink Hub

Method files can be saved directly to the Lablink Hub by selecting it as the save location when saving a method in PSTrace Xpress. The Name field in the Method Editor is used for the filename when storing the method on the Lablink Hub. This allows for easy retrieval and reuse of methods directly from the Lablink Hub when setting up new measurements in PSTrace Xpress. Loading a method file from the Lablink Hub in PSTrace can be done using the menu: **File › Open Method...** Select the Lablink Hub as the source on the left-hand side of the dialog and select the

method you want to open.

6.3. Deleting measurement data

Individual data files can be deleted directly from the dashboard to free up space. In the Lablink Hub dashboard click on the **Measurement Data** button to browse all stored measurement data. You can filter the data by date user or instrument/channel.

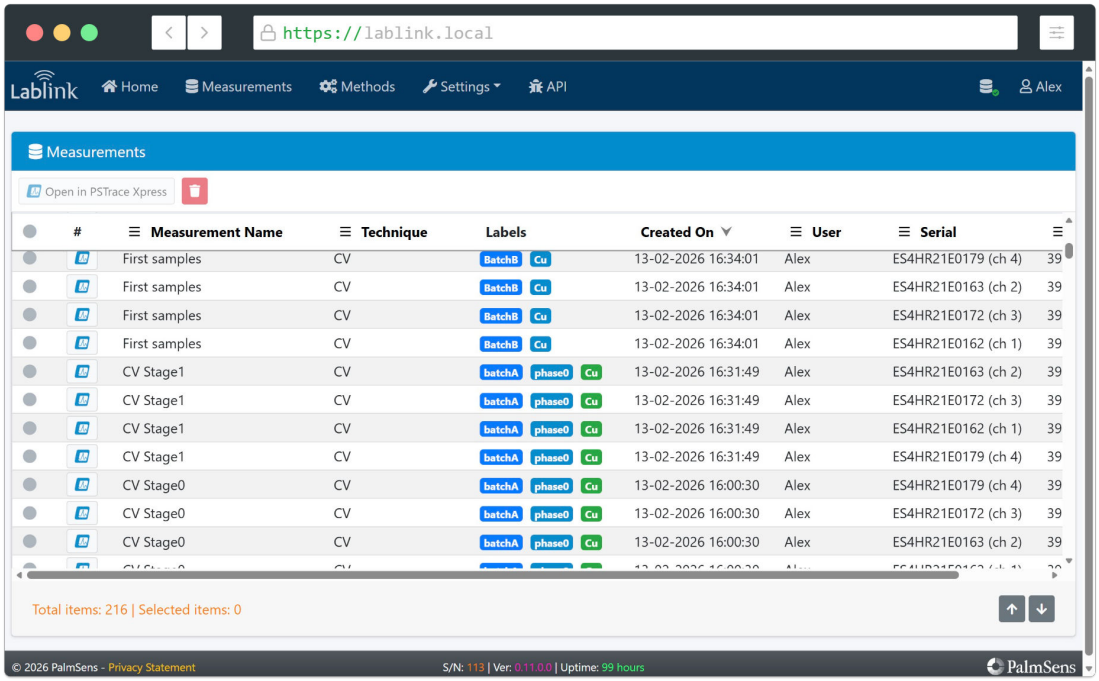


Figure 16. Sorting measurement data for deletion in the Lablink Hub dashboard

To help selecting the measurements that can be deleted it is advised to use the column filters to filter the data by measurement name technique date user or instrument/channel and use the **Select All** checkbox in the columnheader of the table to select the filtered data for deletion.

Chapter 7. Limitations and Troubleshooting

7.1. Number of supported instruments and channels

It is advised to connect instruments directly to the Lablink Hub via USB. Using USB hubs can lead to compatibility issues and it is recommended to avoid using them if possible. When connecting multi-channel instruments the maximum number of supported channels depends on the instrument type. For instance a single Lablink Hub can host:

- two MES3 12-channel instruments
- two MPS4 10-channel instruments
- three MES4 8-channel instruments
- two MES4 12-channel instruments



Use the original USB cable of your instrument provided by PalmSens.

7.2. Connecting multiple single-channel instruments via USB hubs

The Lablink Hub supports generic USB hubs for connecting multiple single-channel instruments. However compatibility with all USB hubs cannot be guaranteed. It is recommended to use powered USB hubs of reputable brands to ensure stable operation.

For single-channel instruments the limit depends on the instrument type and the number of USB hubs used. It is not recommended to connect more than 36 (EmStat3/Sensit/PalmSens4) or 28 (EmStat4S) instruments. This is based on an estimate: there are 96 USB 3.0 endpoints available of which some are reserved internally. An EmStat4S uses 3 endpoints per instrument while other models use 2. Each USB hub also consumes an additional endpoint.

7.3. Troubleshooting connection issues

If you cannot connect to the Lablink Hub via your browser at lablink.local please check the following:

- Make sure your PC is connected to the same Local Area Network (LAN) as the Lablink Hub.
- Make sure your PC is in the same subnet as the Lablink Hub.
- Try accessing the Lablink Hub in the browser using its IP address instead of via

lablink.local (e.g. 192.168.1.100).

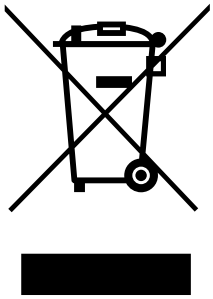
7.4. Password recovery

Since the Lablink Hub does not store personal information such as telephone numbers or email addresses, password recovery is not available. If a password is forgotten, the recommended solution is to delete the user in the Lablink Hub dashboard and then recreate the same user with a new password.

7.5. Firmware and Software Updates

Updates for the Lablink Hub will be distributed and installed via PSTrace. When a new version of the Lablink Hub firmware is available PSTrace Xpress will notify you when you connect to the Lablink Hub. Follow the instructions in PSTrace Xpress to update the Lablink Hub firmware to the latest version.

Appendix A: EU Waste Electrical and Electronic Equipment (WEEE) Directive



The pictogram shown above, located on the product 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 to designated collection points where it will be accepted free of charge.

Alternatively, in some countries, you may be able to return your product to your local retailer upon purchase of an equivalent new product. 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.

Index

B

Browser access, 9

C

Claiming, 18

D

Dashboard, 12
Data retrieval, 21
Deleting, 22

E

Ethernet, 5

F

Firmware, 24

G

Grouping, 15

I

Instrument server, 1

L

LAN, 1
Long-duration experiments, 20

M

Method files, 21

P

Packaging, 5
Permissions, 17
Power button, 6

R

Registration, 9
resuming, 20

S

Scanning, 14
storage, 3
Subnet, 6
System architecture, 3

U

Unboxing, 5
Updates, 24
USB hub, 23

W

Wi-Fi, 10

Published by

PalmSens BV
Vleugelboot 22
3991 CL Houten
The Netherlands

© 2026 PalmSens BV
All rights reserved

