

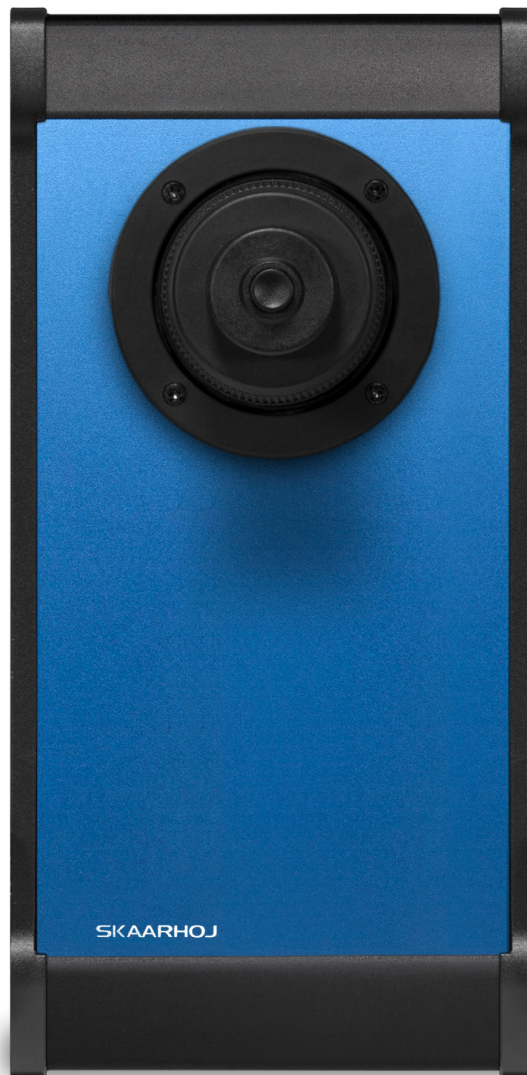
XC7

User Manual

August 31, 2025

SKUs: XC7-V4

Language: English



I Disclaimer

Before using this product, please read and fully understand all instructions provided. This product is classified as Class A equipment and is intended for use by commercial customers only. It is not suitable for residential use and may cause interference in residential environments.

For the most up-to-date specifications, refer to the latest SKAARHOJ data sheets or publications. Availability of products and types may vary by country —please check with a SKAARHOJ sales representative for details.

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The source language of this manual is English. Translations into other languages are derived from the English version.

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This section explains the meaning of various alert levels and informational notes used throughout this document. Each label serves as a guide to indicate the level of attention required and the type of risk involved. Please review these legends carefully to ensure a clear understanding of the warnings, cautions, and helpful tips provided.

Danger

DANGER indicates an imminent hazard. Failure to avoid it will result in death or serious injury. Always follow the recommended actions to prevent this danger.

Warning

WARNING indicates a potential hazard. Failure to avoid it may result in death or serious injury. Always follow the recommended actions to prevent this risk.

Caution

CAUTION indicates a possible hazard. Failure to avoid it may result in minor or moderate injuries. Always follow the recommended actions to prevent this hazard.

Notice

NOTICE indicates a potential risk of equipment or environmental damage. Always follow the recommended actions to avoid damage.

Hint

HINT provides additional information to clarify or simplify a procedure. It is not related to safety.

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1 About this Document

This operating manual is intended for all users of the SKAARHOJ XC7. It provides essential guidelines for safe and proper operation of the device. All users must read this manual before using the device for the first time to ensure correct usage.

The manual is an important part of the XC7 and should be kept easily accessible, close to the device for reference at any time.

For more detailed information about the device's features and functionality, please refer to additional instructions available for download at www.skaarhoj.com or request them via support@skaarhoj.com.

Ensure that the operating manual, user manual, and any other relevant documentation are stored safely for future reference and for any potential future users of the device.

For more resources and helpful information, visit the SKAARHOJ website.

SKAARHOJ offers comprehensive training courses to provide deeper insights into maximizing the potential of SKAARHOJ products.

2 Safety Information

This safety information supplements the specific operating instructions and must be strictly followed. Before operating or installing the device, read and understand all safety and operating instructions. Keep these instructions for future reference. Always follow the guidelines in this and any other documentation provided to avoid injury or damage to the device and surrounding objects.

Assembly and operation should only be performed by trained personnel familiar with the device. Use only the recommended tools, materials, and procedures outlined in this document. For other equipment, refer to the manufacturer's instructions.

Safety instructions, warning symbols, and signal words in this document highlight different levels of risk.

Caution

Using XC7 in Humid Environments with Condensation

When moving the device and its accessories from a cool to a warm location, or when used in a damp environment, condensation may form inside the device and on electrical connections. Do not operate the device while condensation is present, as it poses a risk of electric shock and fire due to short circuits.

- Do not use the device or accessories if condensation occurs.
- After moving the device from a cool to a warm environment, allow time for the components to warm up.
- Store the device in a warmer location to reduce the risk of condensation.

Warning

Connected Cables on the Floor

Risk of injury from tripping, falling, or slipping over connected cables.

- Always secure cables connected to the device and accessories properly.
- Install cables in a way that prevents tripping.
- Use a cable duct or secure cables with adhesive tape if necessary.
- Always disconnect cables from the device and accessories before moving them.

3 About XC7

The XC7 is a sleek addition to SKAARHOJ's controller lineup, designed to easily add joystick control to existing setups. Featuring a 3-axis joystick with a reset button, it offers precise control over pan, tilt, and zoom functions. Its minimalist design focuses on functionality and ease of use, making it the perfect companion for other SKAARHOJ controllers.

With XC7 you enjoy benefits such as

- **Add-on Flexibility:** Easily integrates with existing SKAARHOJ panels, enhancing control without clutter.
- **Simple Yet Effective:** Focuses on essential joystick controls for pan, tilt, and zoom, streamlining operations.
- **Plug-and-Play:** Designed for quick integration and immediate use, reducing setup time.
- **Discreet Footprint:** Compact design allows it to fit into any setup without taking up valuable space.

3.1 Feature Highlights

- 3-axis joystick w/Homing button
- Designed to complement other SKAARHOJ controllers
- 100 Mbit Ethernet w/Power over Ethernet (PoE IEEE802.3af)
- UniSketch Platform w/Raw Panel Server mode
- Designed and made in Denmark

3.2 Intended Use

Notice

Intended Use of XC7

All versions of XC7, and accessories are intended for professional use only and must be operated by skilled and trained personnel in non-domestic environments. They must not be used by inexperienced individuals without proper training.

Before use, carefully read and understand both the operating and user manuals. Use the product and its accessories solely for the purposes outlined in this document. Always follow the safety instructions and system requirements for all equipment involved.

SKAARHOJ assumes no liability for damages or modifications resulting from improper use. Modifying the product or its accessories is strictly prohibited.

3.3 Product Identification

The XC7 is identified by a label located on the bottom of the device. This label contains important information such as certification marks, product code, and the serial number. Ensure this label remains intact for future reference and support.

3.4 Environmental Conditions

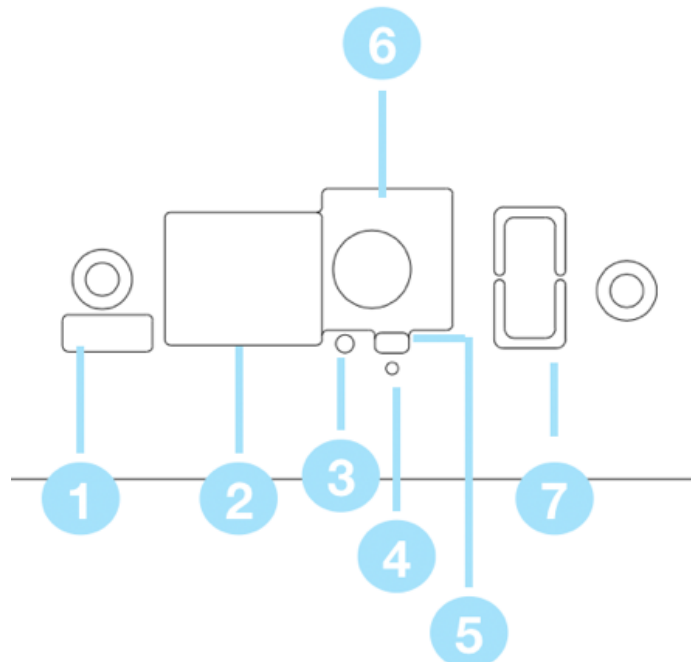
The XC7 must be used and stored under specific environmental conditions. Before commissioning and operation, ensure the following conditions are met:

Operating Temperature	0° C to +40° C / +32° F to +104° F
Storage Temperature	-20° C to +45° C / -4° F to +113° F
Humidity	90% RH, non-condensing, from -20° C to +45° C

3.5 Technical Data and Dimensions

3.5.1 Standard Connections

On most SKAARHOJ products, you will find the following cable connections on the backside:



- **1:** Micro USB Port for serial communication with SKAARHOJ Firmware Updater
- **2:** IP Network RJ45 Port for IP control and 5W-30W PoE (+)/PoE Standard: IEEE 802.3af/t
- **3:** Status LED for monitoring and debugging
- **4:** Not used on Blue Pill Inside products.
- **5:** Config Button to enable WiFi Access Point. See WiFi Access Point section
- **6:** 12V DC Power Supply for connection to the supplied DC power adaptor. Center is positive.
- **7:** USB-A Port. Only available on some models for attachment of accessories.

Notice

- Use only shielded Cat6 (STP) cables for Ethernet connections.
- Ensure that your Ethernet switch is properly connected to a protective earth ground.
- All cables, except Ethernet and GPI cables, must be shorter than 3 meters.
- If applicable: The USB-A port's power is not included in the product's maximum power rating. If near maximum load, use a powered USB hub to prevent the USB-A port from impacting the overall power budget.

3.5.2 Protective Earth

Proper grounding of the device in its installation space is highly recommended. In most cases, grounding the unit through a shielded Ethernet cable connected to a properly grounded switch will suffice. However, to fully comply with all immunity standards, more direct grounding may be necessary. If required, attach a protective earth ground wire to the screw located just above the Micro USB port.

3.5.3 Technical Drawing

Figure 1 presents a detailed technical drawing of XC7, highlighting key dimensions and design elements.

3.5.4 Technical Data

Technical data for XC7 are presented in Table 1.

3.5.5 Hardware Components

The hardware components of XC7, along with their component IDs (HWc ID), are shown in Figure 2.

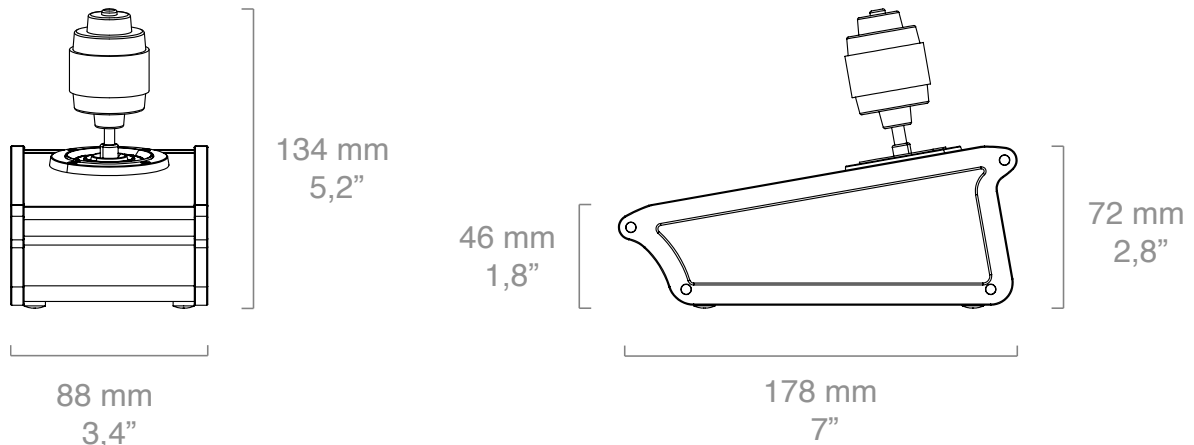


Figure 1: Technical drawing of XC7 with key dimensions and layout details.

3.6 Scope of Delivery and Warranty

Notice

Important Information:

The packaging materials are recyclable. To contribute to environmental sustainability, please dispose of the packaging at a certified recycling facility. Ensure that all storage, shipping, and disposal comply with local regulations. SKAARHOJ assumes no responsibility for any consequences arising from improper storage, shipping, or disposal of the product.

Upon receiving the delivery, carefully inspect the package and its contents for any signs of damage or missing components. Do not accept the delivery if the package is damaged or incomplete. The package should contain the following items:

- (This Product)
- 12V Power Supply: Manufacturer: PHIHONG, Model Name: PSA15R-120P, Output: 12V/1.25A, Cable Length: 1.5m, Adapter type: EU, GB, US, AU depending on shipping country, DC Output Connector: 5.5mm x 2.1mm x 10mm Center Positive
- Micro USB Cable
- Getting Started Guide

For details regarding the warranty, please contact your local SKAARHOJ Service Partner. SKAARHOJ is not liable for any issues arising from improper shipping, misuse, or the use of unauthorized third-party products.

3.6.1 Recommended Accessories

- Ethernet Cable: Cat 6 S/FTP or better

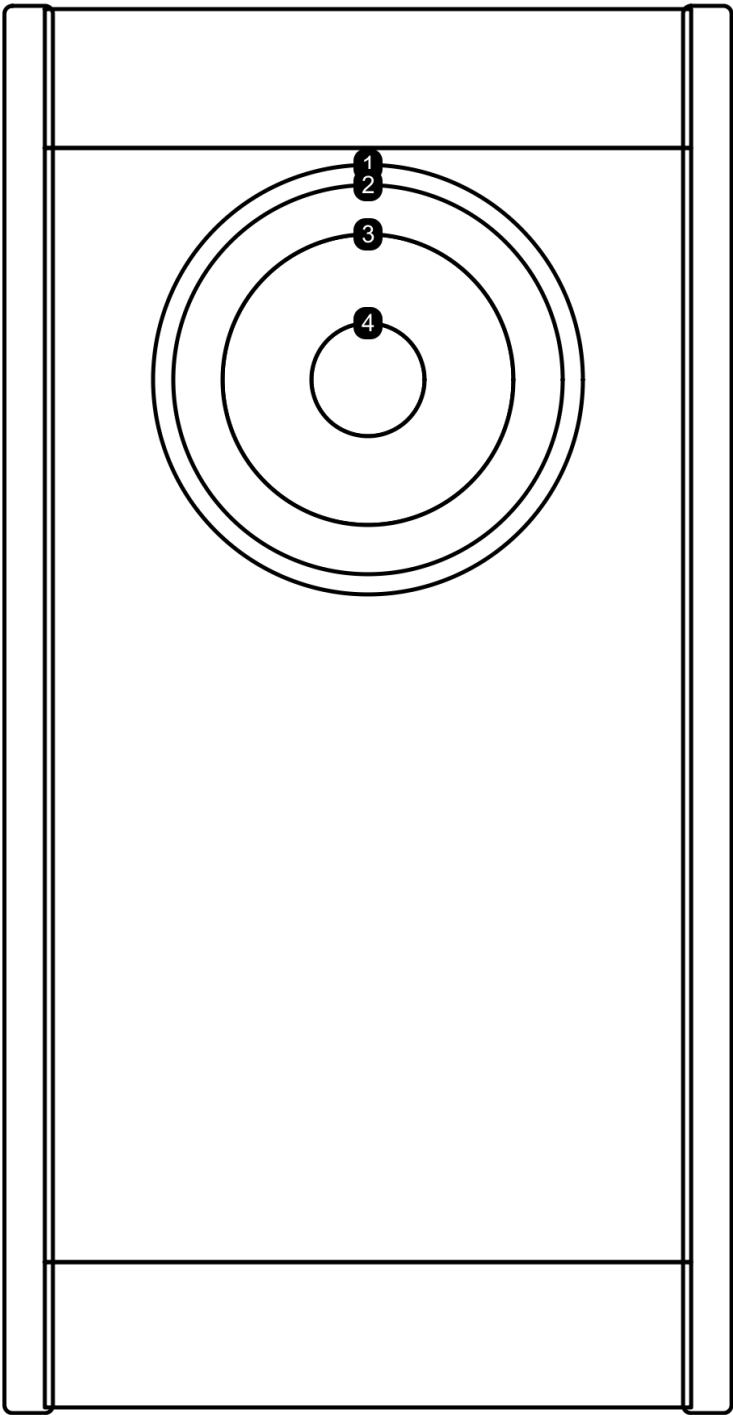


Figure 2: Diagram of hardware components for XC7 with component IDs (HWc ID)

Hardware Specifications	
Buttons	4-Axis Joystick, Top button (x1)
Analog Components	4-Axis Joystick, Left-Right (x1); 4-Axis Joystick, Up-Down (x1); 4-Axis Joystick, Rotate (x1)
Connectivity	
Networking	100 Mbit Ethernet w/Power over Ethernet (PoE IEEE802.3af)
Power Supply	12V DC Jack 5.5mm x 2.1mm x 10mm Center Positive PoE IEEE802.3af/t
Service Port	Micro USB for updating firmwares and setting manual IP
Software	
Platform	UniSketch (Raw Panel Server, Legacy Device Cores)
Licenses	N/A
Physical and Shipping	
Product Weight	572 g
Shipping Box Weight	1623 g
Country of Origin	Denmark

Table 1: Detailed specifications and technical characteristics for XC7

3.7 Certification and Safety Standards

3.7.1 EU Declaration of Conformity



Brand Name	SKAARHOJ
Product Description	Universal Control Panel XC7

4 Getting Started with Link IO

4.1 Quick Steps

Getting started with XC7 - your new Link IO accessory - is straightforward. The first step is to access its web interface. Follow these steps:

- **Connect the Link IO Device:** Plug a Cat6 (STP) or better Ethernet cable into your SKAARHOJ Link IO device and ensure it is connected to your local network.
- **Download SKAARHOJ Discovery:** Download the SKAARHOJ Discovery application from www.skaarhoj.com, then launch the application from your Mac or PC on the local network.
- **Connect via USB (if needed):** If the device does not appear automatically in Discovery, connect it directly to your Mac or PC using a USB cable.
- **Set IP Address:** In SKAARHOJ Discovery, switch to the On USB tab. Select your device, click the Change IP Address button, enter a valid IP address, and click Save.
- **Access the Web Interface:** Once your device has a valid IP address, it will appear under the On Network tab with an Open button. Click Open to launch the device's Web UI.

Notice

Screenshots from other Link IO Accessories

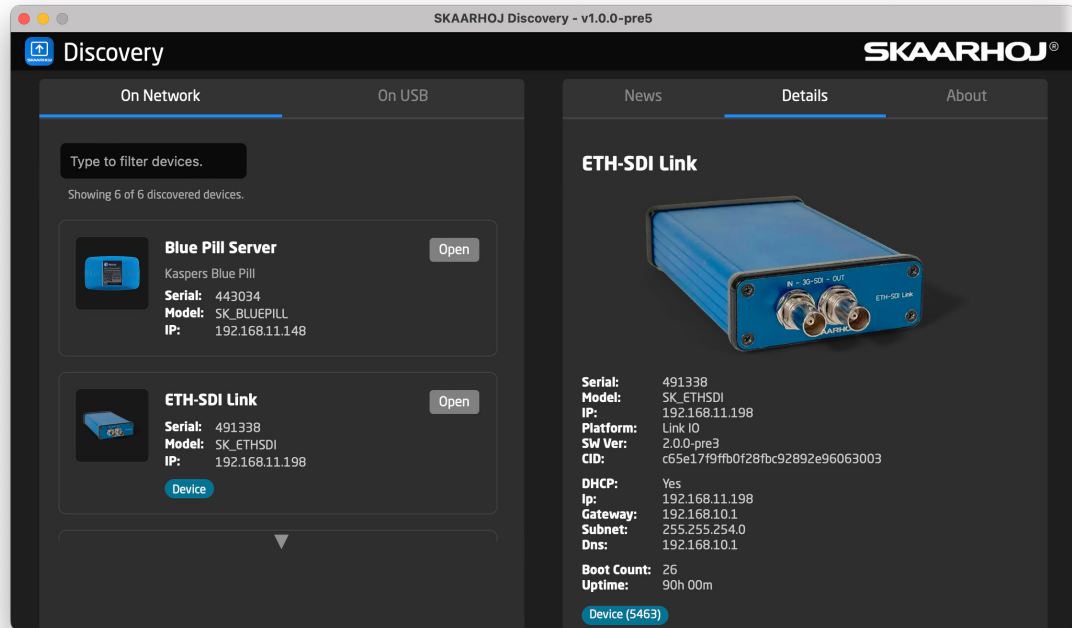
In this Getting Started section, some screenshots and illustrations may show other products from the Link IO Accessory series. This is because these devices share the same web interface and follow the same procedure for initial setup as the XC7.

While the appearance of the screenshots may differ slightly depending on the specific accessory, the steps and configuration principles are identical.

4.2 SKAARHOJ Discovery

When you launch the SKAARHOJ Discovery application, it automatically scans your local network for connected SKAARHOJ devices. If DHCP is enabled, the Link IO device will obtain an IP address automatically out of the box, and SKAARHOJ Discovery will display it in the device list. In the example below, the Link IO accessory is an ETH-SDI Link. Clicking on the device will display details on the right side of the screen.

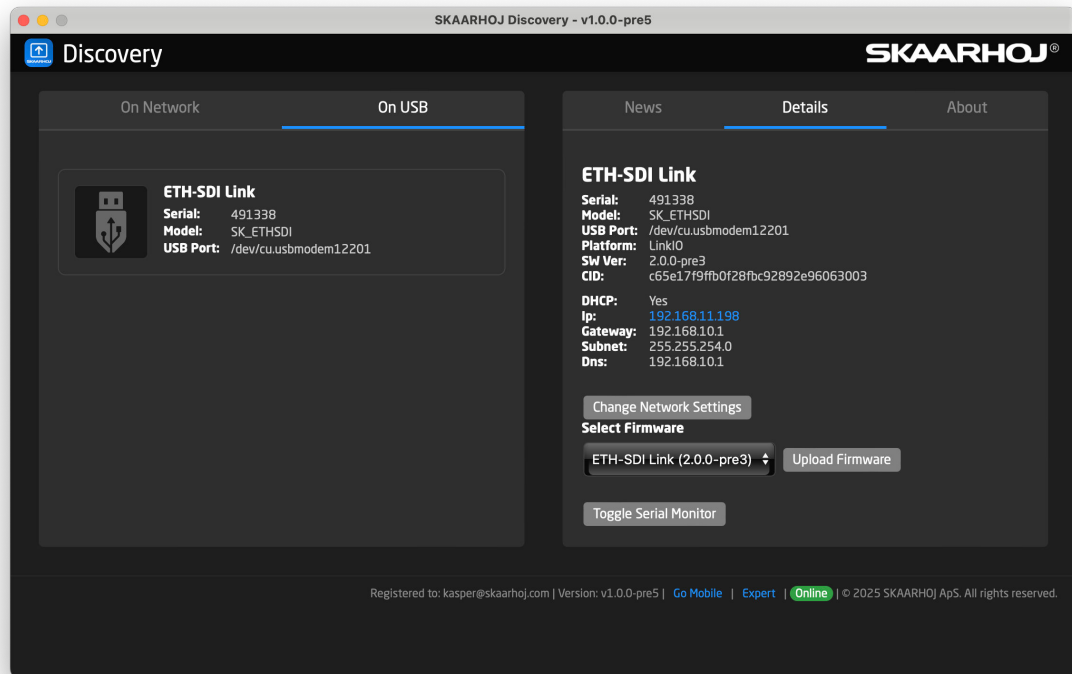
You can also click the Open button for the device to launch its web interface, where you can set IP addresses and configure device-specific settings.



In some cases, your Link IO device may appear in the Network tab but be grayed out, with no Open button available. This can happen if the device has an invalid IP address (e.g., 0.0.0.0) or an unreachable static IP. In that case, connect the device to your computer via Micro USB and assign a new IP address using the USB connection.

4.3 Configuration via USB

Connect the Link IO device to your computer using a Micro USB cable. Launch the SKAARHOJ Discovery application and switch to the On USB tab. Your device should appear in the list. Select it, then click the Change Network Settings button.



In the fields that appear, enter a static IP address for the device. Make sure to choose an address that is valid for your network and does not conflict with other devices.

DHCP ☐ Automatic IP assignment

IP Address

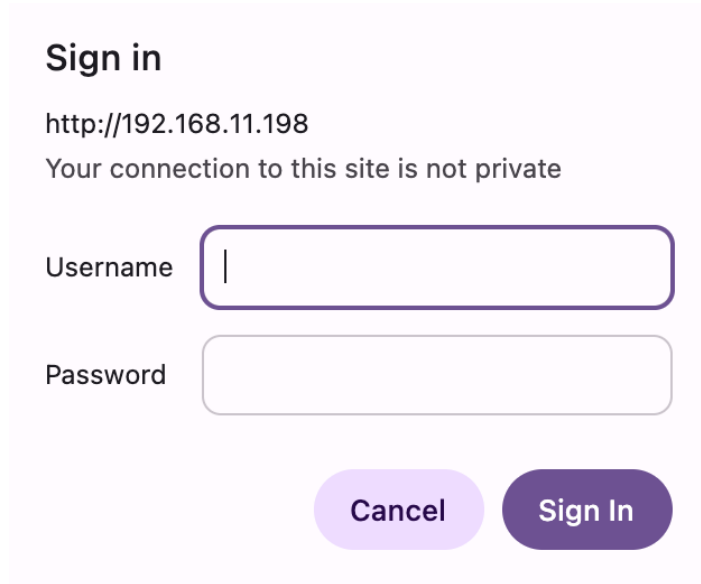
Subnet Mask

Gateway

After entering the desired IP address, click the Update button. The new settings will be applied and the device will reboot. Once the update is complete, switch back to the On Network tab to see your device listed with its new IP address.

4.4 Accessing the Web Interface

Once your Link IO device has a valid IP address, it will appear in the On Network tab of the SKAARHOJ Discovery application. Click the Open button next to the device to launch its web interface in your default web browser.



Sign in

http://192.168.11.198

Your connection to this site is not private

Username

Password

Cancel Sign In

You will be prompted to enter a username and password. The default credentials are:

- **Username:** admin
- **Password:** skaarhoj

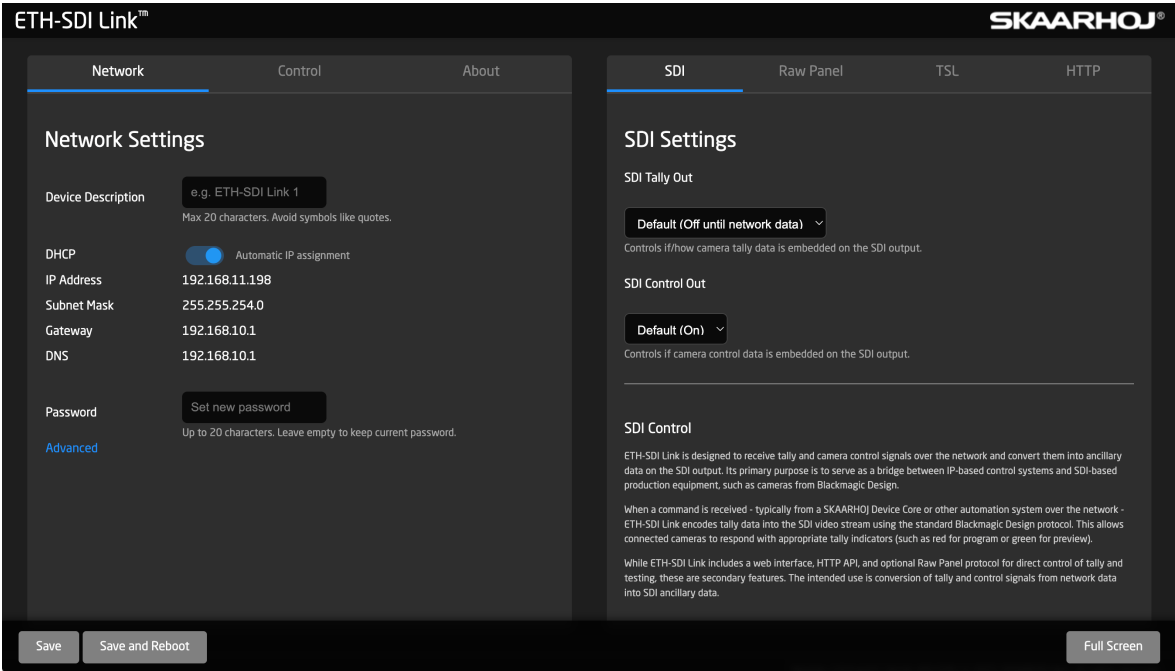
Caution

Unencrypted Login Credentials

The username and password are transmitted in **unencrypted form** when accessing the Link IO Web UI:

- **Use only on trusted local networks.**
- **Do not expose the device directly to the internet** without proper network safeguards (e.g., VPN or firewall).
- **Be aware of potential security risks** if used on untrusted or public networks.

After logging in, you will see the main dashboard of the Link IO device. From here, you can configure network settings and other device-specific parameters. Below is an example of the dashboard interface from the Link IO device called ETH-SDI Link.



4.4.1 Network Settings

The **Network** tab allows you to configure how your Link IO device connects to your local network. Some of these settings could also be configured via the SKAARHOJ Discovery application over USB. You can assign a static IP address, enable or disable DHCP, and adjust related options for reliable communication.

Network

Control

About

Network Settings

Device Description

e.g. ETH-SDI Link 1

Max 20 characters. Avoid symbols like quotes.

DHCP

☐

Automatic IP assignment

IP Address

192.168.11.123

Subnet Mask

255.255.254.0

Gateway

192.168.10.1

Password

Set new password

Up to 20 characters. Leave empty to keep current password.

Disable all mDNS advertisements

☐

Stops advertising services (Raw Panel, HTTP, etc.) via mDNS.

Enable Ethernet auto-negotiation

☒

Let the PHY auto-negotiate speed/duplex (if supported).

Disable Web UI authentication

☐

Warning: Anyone on the network can access the UI when disabled.

Save

Save and Reboot

The following options are available:

- **Device Description:** Enter a custom name (up to 20 characters) for your device. This helps you identify it in SKAARHOJ Discovery or other network tools.
- **DHCP (Automatic IP Assignment):** When enabled, the device requests an IP address from your network's DHCP server (e.g., your router). Disable this option to set a fixed static IP address manually.
- **IP Address:** The unique network address of your device. If DHCP is disabled, enter a valid static IP address that matches your network range.
- **Subnet Mask:** Defines the network segment the device belongs to. For most local networks, this will be 255.255.255.0.

- **Gateway:** The IP address of your network's default gateway (typically your router). This setting is required if the device needs to communicate outside of the local subnet.
- **Password:** Allows you to change the device's web interface password. Leave this field blank to keep the current password. See below for a setting to disable password protection.

There are also several advanced options available in the Network Settings tab:

- **Disable all mDNS Advertisements:** Stops the device from broadcasting its presence on the network via mDNS (Bonjour/ZeroConf). Useful in large installations where reducing network traffic is important.
- **Enable Ethernet Auto-Negotiation:** When enabled, the device automatically negotiates the best possible speed and duplex mode with your network switch. Historically, this has not been enabled in SKAARHOJ devices, but it is now available for compatibility with modern network equipment.
- **Disable Web UI Authentication:** When enabled, anyone on the network can access the Web UI without logging in. **Use with caution**, as this disables password protection.

Once you have made the necessary changes, click **Save** to apply them, or **Save and Reboot** to restart the device with the new settings.

Notice

Save or Save and Reboot?

When you change settings in the Web UI, you can choose either **Save** or **Save and Reboot**:

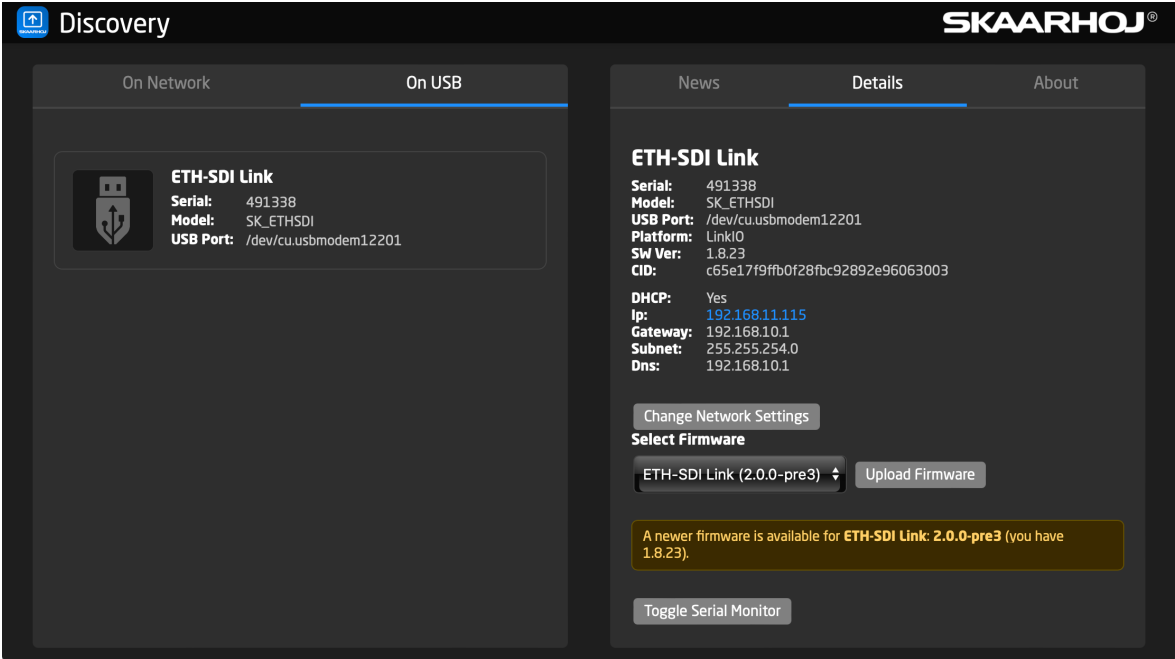
- **Save:** Writes the new settings to the device's persistent memory. Some changes take effect immediately without requiring a reboot. This option is faster and suitable for parameters like labels or minor adjustments.
- **Save and Reboot:** Also writes the settings to persistent memory, but additionally restarts the device. A reboot is required for certain changes such as IP configuration, enabling or disabling network services, or changing communication ports. This option ensures that all changes are fully applied, but takes a little longer.

In general, the safe choice is **Save and Reboot**, but it is not necessary for every change you make in the Web UI.

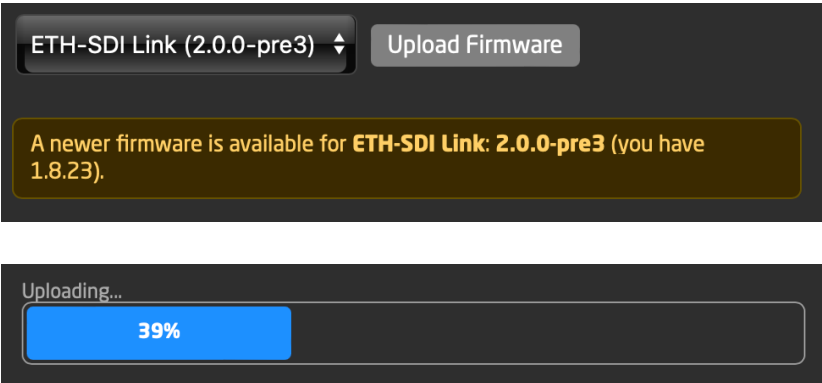
4.5 Firmware Updates

4.5.1 New Firmware Releases

New firmware releases for the Link IO platform are announced through SKAARHOJ Discovery. When you open SKAARHOJ Discovery, it automatically checks for updates and notifies you if a new firmware version is available for your device. The application will then download the update and prompt you to install it when your device is connected via USB.



To install the update, simply click the Upload Firmware button. The new firmware will be transferred to your device.



After the update process finishes, the device will reboot automatically. If it does not, you may need to power cycle it by unplugging and reconnecting the device.

Hint

Not Online all the time?

SKAARHOJ Discovery requires an internet connection to download firmware updates. You must therefore be online - at least temporarily - during the update process. For all other interactions with your device, whether over network or USB, an internet connection is not required.

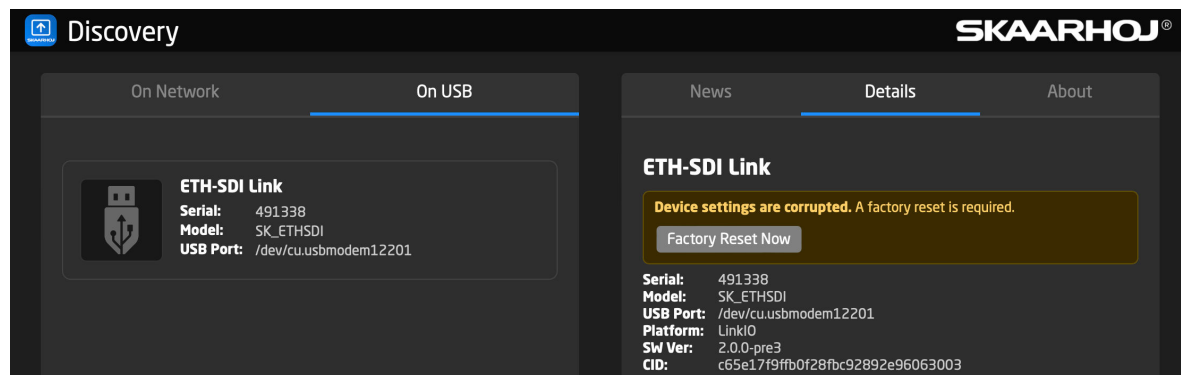
If you see a green badge in the footer of the Web UI, it indicates that your computer running SKAARHOJ Discovery is online and connected to the SKAARHOJ servers.

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4.5.2 Factory Reset

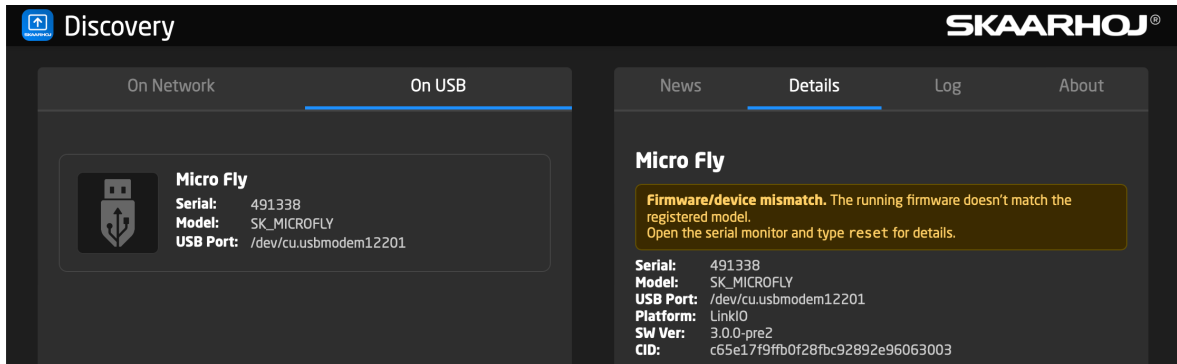
If you encounter issues with your device, a factory reset may be required. This restores the device to its original settings and erases all custom configurations. A factory reset can be performed in several ways:

- **From SKAARHOJ Discovery:** In the Details tab, click the Factory Reset button. It's shown if settings have become corrupted.
- **Using the Reset Button:** Hold down the Reset button on the device for 10 seconds. This resets all settings to defaults, including network configuration and any custom labels or parameters.
- **Via Serial Monitor:** Open the Serial Monitor in the Details tab of SKAARHOJ Discovery and type the command `_resetAll`. Be sure to close the Serial Monitor after performing the reset.



4.5.3 Wrong Firmware

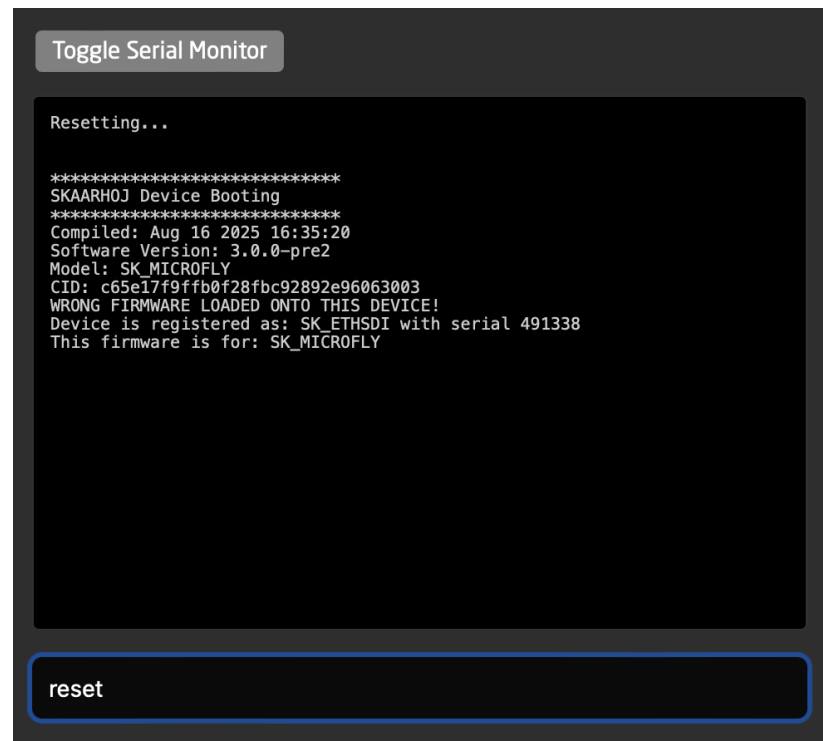
If the wrong firmware has been uploaded to your Link IO device, this will be indicated in SKAARHOJ Discovery.



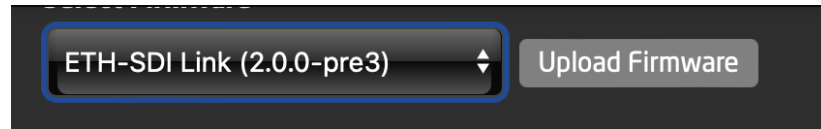
In this case, first enable Expert Mode by clicking the link in the footer. Otherwise you cannot select other firmware types than the one currently installed.

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Next, open the Serial Monitor and type `reset`, then press Enter. The device will reboot and display a message indicating the device type it is really registered as. Read the text carefully, as it will tell you which firmware type to select in the next step.



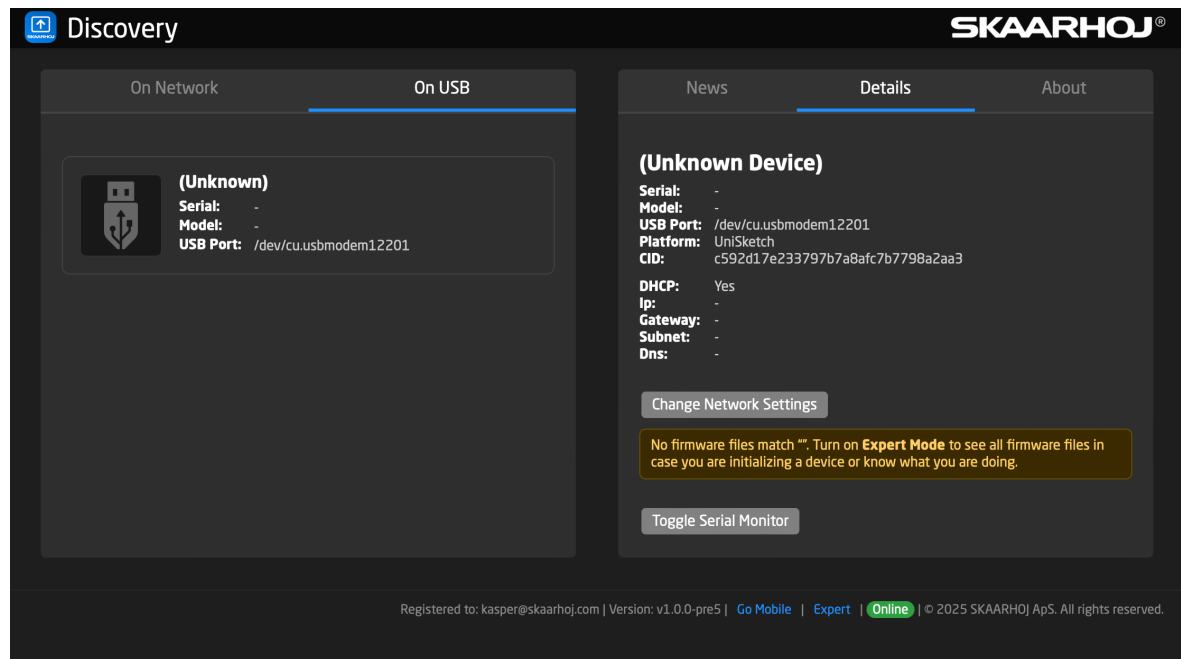
From the list of available firmware in SKAARHOJ Discovery, select the correct firmware for your device and click the Upload Firmware button. The device will reboot and be ready for use with the correct firmware installed.



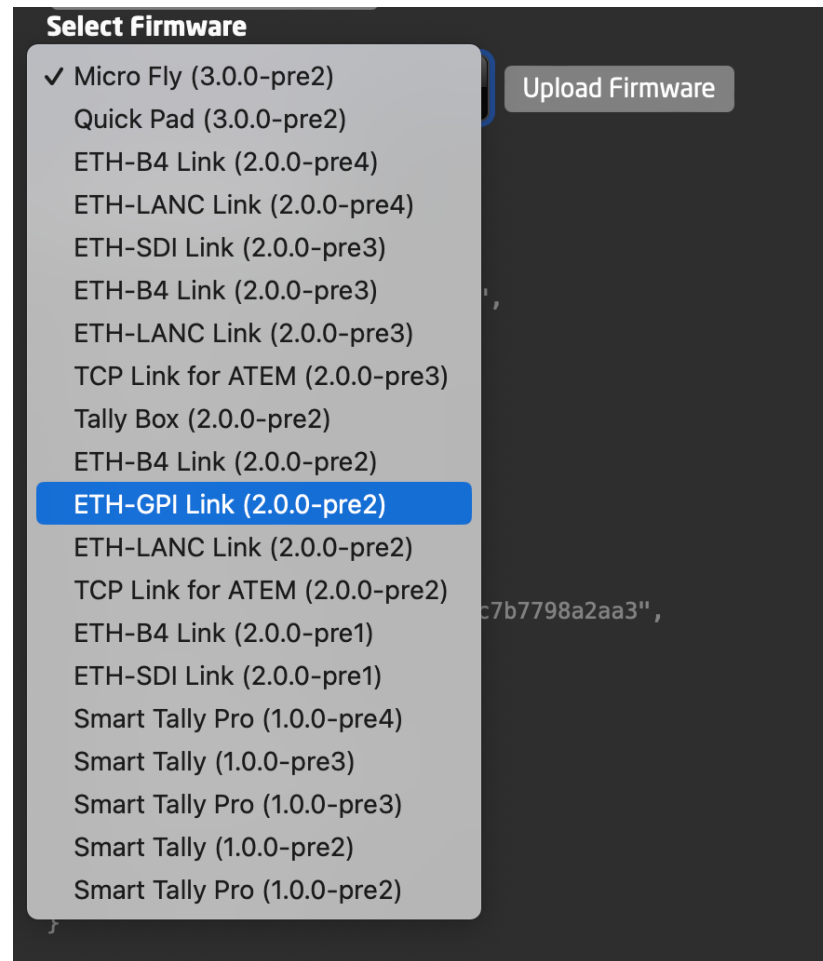
4.5.4 Upgrading to the Link IO Platform

If you wish to upgrade an eligible SKAARHOJ UniSketch or Link IO device to the Link IO platform, follow the steps below. The process requires registering the device on SKAARHOJ's servers, so you must be online during the upgrade. Registration is pending approval by SKAARHOJ and may be free of charge or require a fee, depending on the device and upgrade path.

When you first connect your device, it will appear as Unknown:



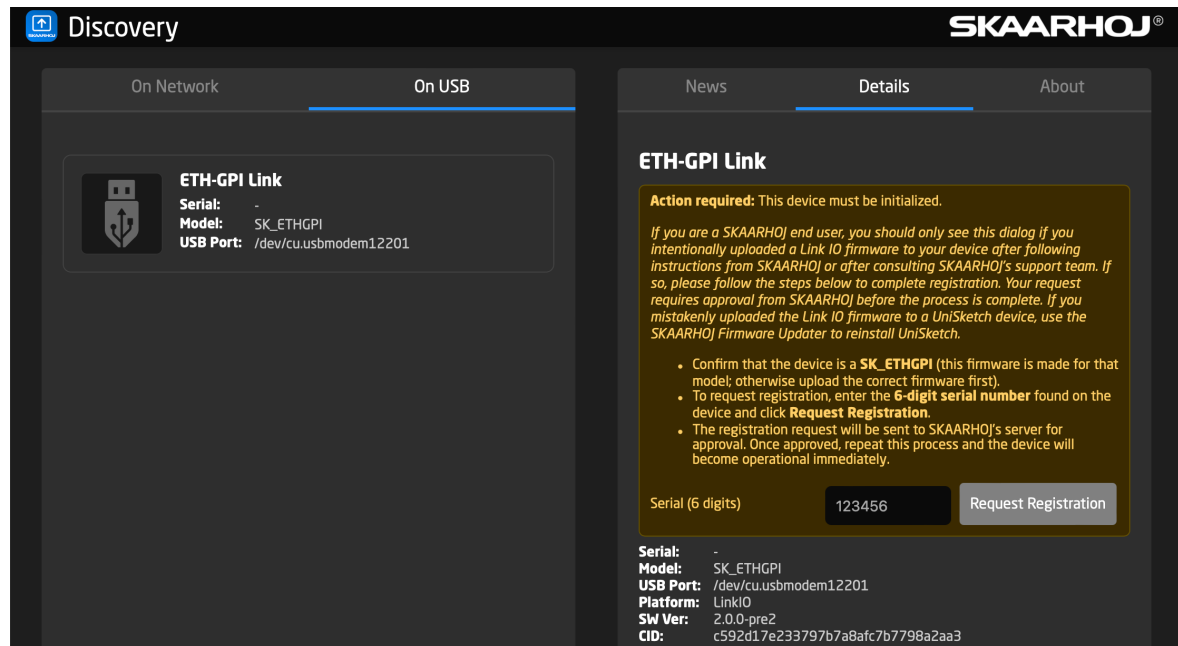
Enable Expert Mode by clicking the link in the footer. This will allow you to select any Link IO firmware type.



Carefully select the correct firmware type for your device. If you are unsure, contact SKAARHOJ Support for assistance. When you are ready, click the Upload Firmware button.



The device will reboot and display a message indicating that it is pending registration. Read the message carefully, and if you agree with its contents, enter the device's serial number and click the Register button.



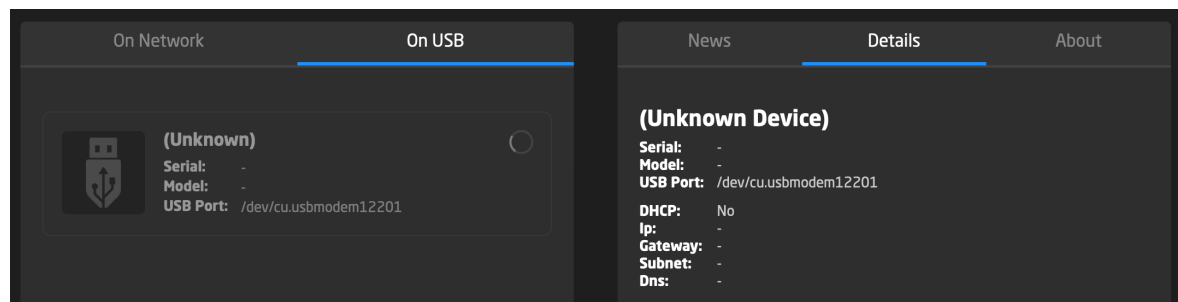
You will then see a confirmation that the device is pending registration. This step must be coordinated with SKAARHOJ Support, so please contact them to complete the approval process.

Registration pending: Registration request received and pending approval.

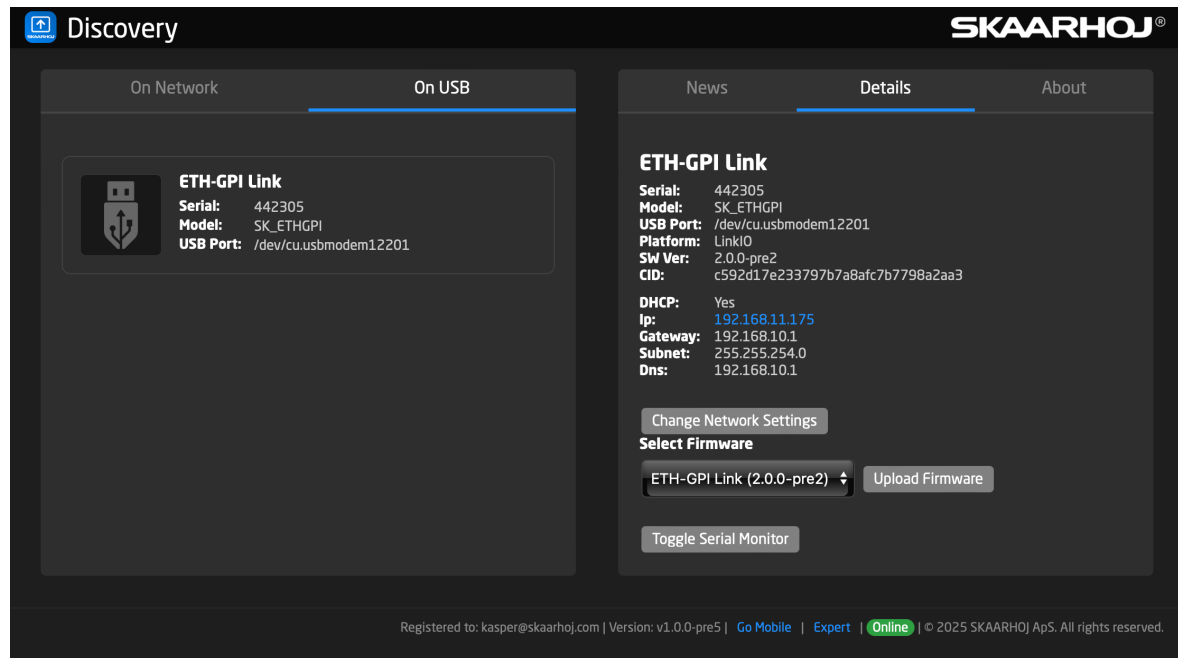
Once the device has been approved, return to the Web UI, enter the serial number again, and click the Register button. The device will then be fully registered and ready for use with the Link IO platform.

Registration approved: Registration approved.

The device will reboot and may appear as Unknown for a short time:



It will then update and show up as the correct device type:



Hint

Internet Connection Required

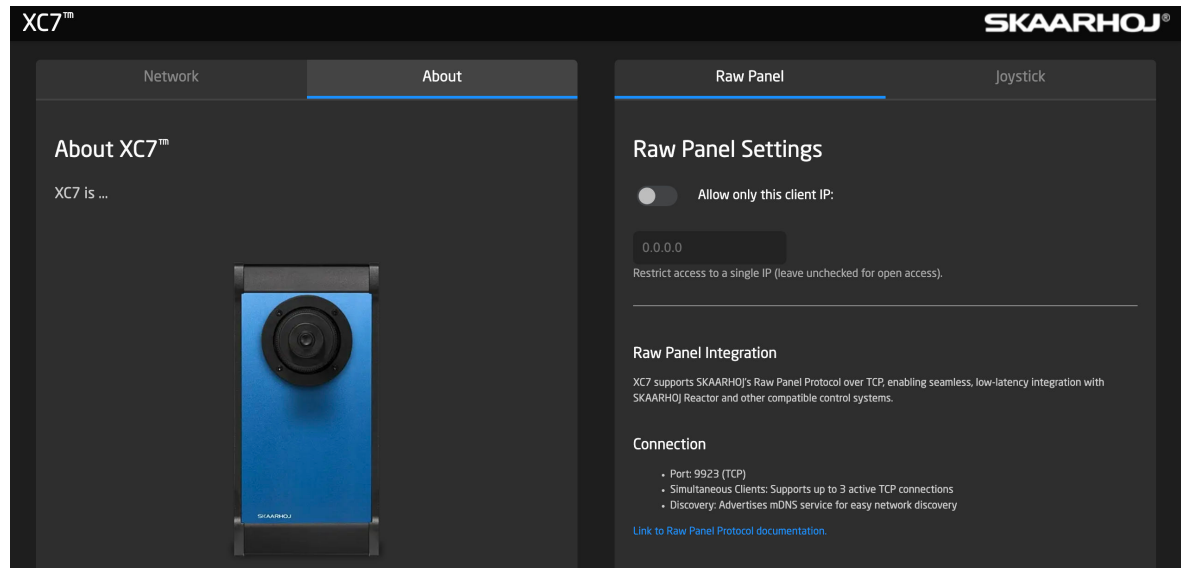
The upgrade and registration process requires an active internet connection:

- **Stay online during registration:** Your computer must connect to SKAARHOJ's servers to complete the registration and approval process.
- **Approval is handled remotely:** Registration will remain pending until SKAARHOJ Support approves the request.
- **Offline use afterwards:** Once the upgrade and registration are complete, the device can be used fully offline on your local network.

Make sure you are connected to the internet until the registration process has been successfully completed.

5 XC7 Functionality

The **XC7** is a compact IP-enabled controller built for direct integration with SKAARHOJ systems via the Raw Panel Protocol. A dedicated Joystick tab lets you fine-tune the built-in joystick sensor so motion feels smooth, precise and free of drift. The web interface follows the familiar tabbed layout used across SKAARHOJ devices and covers two areas: **Raw Panel** and **Joystick**. A basic **Network** page is also provided for IP addressing and housekeeping.



5.1 Network Tab

Use the **Network** tab to assign the device identity and IP parameters.

- **Device Description:** Free text label (max 20 characters) for identification on your network and in Reactor.
- **DHCP:** Toggle automatic addressing. When disabled, enter IP Address, Subnet Mask and Gateway manually.
- **Password:** Set a new web UI password (leave empty to keep the current one).
- **Advanced:** Expert options to disable mDNS advertisements, enable Ethernet auto-negotiation and optionally disable UI authentication (not recommended on shared networks).

5.2 Raw Panel Tab

XC7 communicates with SKAARHOJ Reactor and other control systems using the **Raw Panel Protocol** over TCP.

- **Allow only this client IP:** Optional whitelist that locks access to a single IP; leave disabled for open access on the LAN.

Connection Details

- Port: 9923 (TCP)
- Simultaneous clients: up to 3
- Discovery: mDNS service broadcast

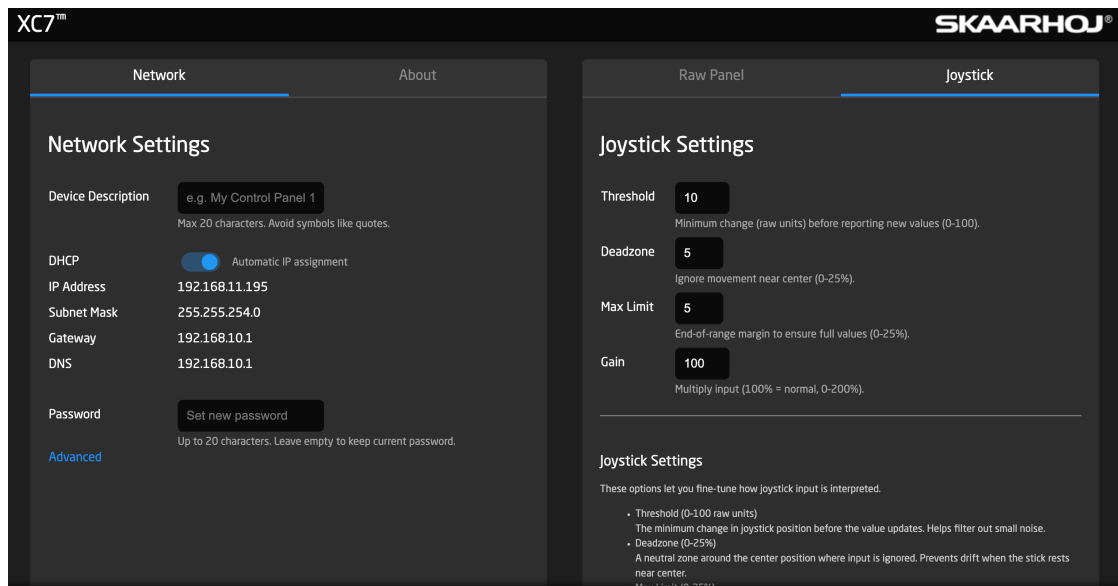
Hint

Integration tip

Add XC7 to Reactor as a Raw Panel device and map its controls to your router, switcher or cameras and sliders. XC7 also works with various default configurations for out-of-the box applications.

5.3 Joystick Tab

On XC7, the **Joystick** tab provides four tuning parameters. These settings are applied in hardware, so downstream systems receive clean, normalized values.



Parameters

- **Threshold (0–100 raw units)**
Sets the minimum change required before a new joystick value is reported. Use higher values to filter tiny jitters; lower values for maximum sensitivity.

- **Deadzone (0–25%)**

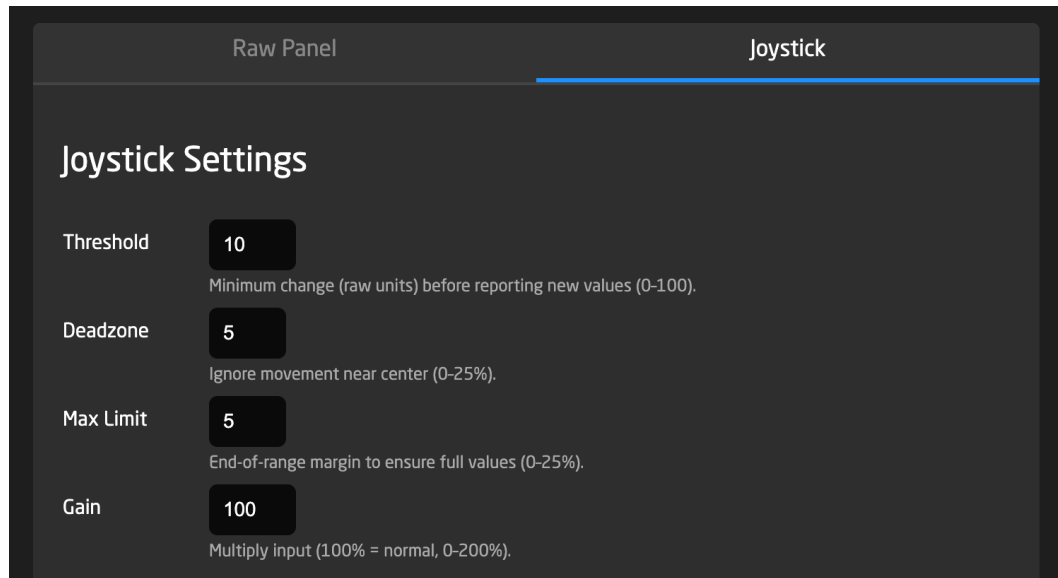
Defines a neutral area around the mechanical center where movement is ignored. This prevents drift when the stick rests near center.

- **Max Limit (0–25%)**

Adds a short end-stop margin so the joystick always reaches full-scale values even if the physical travel or calibration is slightly short.

- **Gain (0–200%)**

Output multiplier applied after the other adjustments. 100% equals unity gain; increase to make responses snappier or decrease for finer control.



Notice

Recommended starting point

Threshold: **10**, Deadzone: **5%**, Max Limit: **5%**, Gain: **100%**.

Increase Threshold slightly in noisy environments; reduce Gain if you want higher sensitivity and don't need the full movement speed at the extreme positions.

6 Service

6.1 Troubleshooting

For troubleshooting tips, please refer to our online Wiki:

<https://wiki.skaarhoj.com/books/blue-pill-reactor/chapter/troubleshooting>

6.2 Cleaning

Proper cleaning and maintenance of your XC7 are critical to ensuring its durability and optimal performance. Regular cleaning, when done with care and the right materials, will help maintain the device in excellent working condition. On the other hand, improper cleaning techniques or the use of harsh chemicals can lead to permanent damage to surfaces, connectors, and labels. To prevent wear and tear, it is important to adhere to the cleaning recommendations outlined in this section.

Notice

Proper Cleaning of XC7

To avoid surface damage, follow these guidelines:

- **Disconnect all accessories and cables** before cleaning.
- **Only use the recommended cleaning agents** listed in this section.
- **Avoid harsh chemicals** like Methanol, Acetone, Benzine, or acids. These substances may damage labels, paint, and polished surfaces.
- **Keep connectors dry** —do not moisten connectors or expose them to cleaning liquids.
- **Avoid touching connector pins** directly while cleaning.
- **Air-blow dust from connectors** before wiping them. Use deionized air if static charge is present.
- **Do not use compressed air** on the housing, as it can push dust into the device.

Recommended Cleaning Agents:

- Water
- Glass Cleaner
- Isopropyl Alcohol

To maintain the longevity and optimal performance of your XC7, it is essential to follow proper cleaning guidelines. Different areas of the device require specific cleaning methods to avoid damage to sensitive components. The following table outlines the recommended cleaning procedures for key areas of the device.

Area	Recommended Cleaning Procedure
Housing	Wipe the housing and external accessories with a soft, lint-free cloth and a mild cleaner like water or glass cleaner. When necessary, use isopropyl alcohol to remove tough residues, such as adhesive or dirt buildup.
Narrow spaces and gaps	Use a manual air blower or a soft brush to gently remove dust from gaps and tight spaces. For delicate areas, cotton swabs may also be used.

Table 2: Proper cleaning methods for XC7

By following these cleaning instructions, you can avoid damaging your device and its components. Routine maintenance will keep your XC7 in top condition and reduce the likelihood of damage that could lead to costly repairs or replacements.

6.3 Repair

In addition to proper cleaning, it is also important to be cautious when it comes to repairs. Performing repairs without the necessary expertise can result in personal injury and may further damage the device.

Warning

Repairs by Untrained Personnel
Attempting to repair the device without proper training can lead to injury and product damage:

- **Only perform maintenance tasks** described in this manual.
- **Do not attempt repairs yourself** —all repairs must be carried out by authorized SKAARHOJ service partners.
- **Warranty is void** if unauthorized repairs are attempted.

Repairs and maintenance should always be conducted by professionals trained to handle the XC7. If you encounter any issues requiring repair, we highly recommend contacting SKAARHOJ’s authorized service partners. Unauthorized repairs may void the warranty, cause further damage, and pose significant safety risks.

To keep your XC7 functioning optimally, always refer to this manual for proper cleaning and repair procedures. For any work beyond the scope of this manual, please contact SKAARHOJ Support team for assistance.

6.4 Disposal

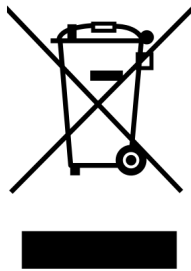
Notice

Disposal of the Product

You can return the product at your own expense to the manufacturer, SKAARHOJ ApS, for disposal. Always follow local guidelines and laws for proper disposal.

Proper disposal of electronic equipment is essential to reduce environmental impact and ensure that hazardous materials are handled safely. Different countries may have specific laws and guidelines regarding electronic waste disposal. It is important to familiarize yourself with these rules to ensure compliance and minimize risks to both health and the environment.

When disposing of third-party accessories, always consult the instructions provided by the relevant manufacturers to ensure safe and compliant disposal practices.



This product falls within the scope of Directive 2012/19 / EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of June 4, 2012 on waste electrical and electronic equipment (WEEE II).

Accordingly, this product must not be disposed of with household waste. Always adhere to country-specific disposal rules and ensure proper recycling or disposal through authorized facilities.

In addition to the general guidelines provided above, the product must always be disposed of in accordance with local electronic waste regulations. The WEEE Directive sets the framework for the handling of waste electrical and electronic equipment across EU member states. It ensures that electronics are collected and treated separately from household waste to minimize environmental harm.

6.5 Transportation and Storage

Notice

Proper Handling of XC7

To avoid the risk of product damage:

- Follow the recommended environmental conditions at all times.
- Use an appropriate case for transporting the product and its accessories.
- Adhere to the transport and storage guidelines outlined in this section.

Ensuring proper transportation and storage of your XC7 is critical to maintaining its performance and longevity. Mishandling the device or its accessories can lead to damage. Please follow these guidelines to protect your equipment during transportation and storage.

Transportation Guidelines:

- Detach all accessories from the product before transport.
- Always transport the product in a protective case designed for its dimensions.
- Avoid exposing the product to strong shocks or impacts during transport.
- Keep the product within the recommended temperature range.

Storage Guidelines:

- Remove all accessories before storing.
- Disconnect all cables and power sources from the product.
- Store the product in a protective case.
- Keep the product within the recommended temperature range.
- Avoid storing the product in environments exposed to extreme temperatures, direct sunlight, high humidity, excessive vibration, dust, or strong magnetic fields.

6.6 SKAARHOJ Service Contacts

For any inquiries, technical support, or service requests regarding your XC7, please reach out to our support team. Our dedicated professionals are ready to assist you with troubleshooting, repairs, and general product information. You can find the contact details for SKAARHOJ below.

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7 Notes
