

SKAARHOJ PTZ Pro Controller

SKAARHOJ PTZ Pro Controller with 3-Axis Hall Effect Joystick User Manual

Model: PTZ Pro Controller

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1. INTRODUCTION

The SKAARHOJ PTZ Pro Controller is a professional-grade control device designed for precise operation of PTZ (Pan-Tilt-Zoom) cameras. Featuring a 3-Axis Hall Effect Joystick, this controller provides enhanced accuracy and responsiveness for various applications, including broadcasting and surveillance. Its ergonomic design and dedicated controls aim to streamline your workflow and improve efficiency.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your PTZ Pro Controller.



Figure 1: SKAARHOJ PTZ Pro Controller. This image shows the black controller unit with its prominent 3-axis joystick on the right side, designed for ergonomic use.

2. SETUP

2.1 Unpacking

Carefully remove the PTZ Pro Controller from its packaging. Ensure all components are present and undamaged. Retain the packaging for future storage or transport.

2.2 Connecting the Controller

1. **Power Source:** The controller is powered via a corded electric connection. Connect the provided power adapter to the controller and then to a suitable power outlet.
2. **USB Connectivity:** Connect the controller to your computer using the supplied USB cable. The controller is designed for plug-and-play setup with Windows operating systems.
3. **Software Installation:** For full functionality and camera integration, specific software or firmware (e.g., UniSketch) may

be required. Refer to the official SKAARHOJ website for the latest software downloads and installation guides relevant to your specific camera setup.

2.3 Initial Configuration

After connecting, your operating system should recognize the device. For advanced configuration and camera mapping, you will need to use the SKAARHOJ configuration software. This software allows you to customize button assignments, joystick sensitivity, and integrate with various PTZ camera protocols (e.g., VISCA).

3. OPERATION

The PTZ Pro Controller is designed for intuitive control of your PTZ cameras. Its ergonomic design and weighted construction provide stability and comfort during extended use.

3.1 3-Axis Hall Effect Joystick

- **Pan and Tilt:** Move the joystick left/right to control camera pan, and forward/backward to control camera tilt. The Hall Effect technology ensures precise and smooth movements.
- **Zoom:** The joystick typically includes a twist function or a dedicated ring for zoom control. Twist the joystick head clockwise or counter-clockwise to zoom in or out.

3.2 Dedicated Buttons and Knobs

The controller features 16 dedicated buttons and various knobs for direct access to camera settings and functions. These controls can be configured via the SKAARHOJ software to perform specific actions such as focus, iris, white balance, preset recall, and more. Refer to your software configuration for specific button mappings.

3.3 UniSketch Integration

The controller leverages UniSketch, SKAARHOJ's universal control platform, to provide comprehensive compatibility and customization options for a wide range of PTZ cameras and video equipment. Familiarize yourself with the UniSketch interface for advanced control and integration.

4. MAINTENANCE

4.1 Cleaning

- Disconnect the controller from power before cleaning.
- Use a soft, dry cloth to wipe down the exterior surfaces.
- For stubborn dirt, slightly dampen the cloth with water or a mild, non-abrasive cleaner. Avoid harsh chemicals or solvents.
- Do not allow liquids to enter the joystick mechanism or button crevices.

4.2 Storage

Store the controller in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, consider using the original packaging to protect it from dust and physical damage.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your PTZ Pro Controller.

5.1 Controller Not Recognized by Computer

- **Check USB Connection:** Ensure the USB cable is securely connected to both the controller and your computer. Try a different USB port.
- **Power Supply:** Verify that the controller is receiving power and the power adapter is correctly connected.
- **Driver Installation:** For Windows, ensure that the necessary drivers are installed. While often plug-and-play, specific drivers might be required for full functionality. Check the SKAARHOJ support website.
- **Restart:** Restart your computer and reconnect the controller.

5.2 Camera Not Responding to Controller

- **Software Configuration:** The SKAARHOJ software (UniSketch) is crucial for mapping controller inputs to camera commands. Ensure your software is correctly configured for your specific camera model and protocol (e.g., VISCA). This process can be complex; refer to official SKAARHOJ documentation and tutorials.
- **Camera Compatibility:** Verify that your camera model is officially supported by the SKAARHOJ UniSketch platform. Compatibility issues with certain camera brands (e.g., Ross Pivot Cam, Marshall PTZ Camera) have been reported if not properly configured or supported. Consult SKAARHOJ's compatibility lists.
- **Network/Serial Connection:** If your camera uses a network (IP) or serial (RS-232/422) connection, ensure the physical connection is sound and network settings (IP addresses, ports) are correctly configured in the SKAARHOJ software.
- **Firmware:** Ensure both the controller and your camera have the latest firmware installed.

5.3 Joystick or Buttons Not Functioning Correctly

- **Recalibration:** Some operating systems or SKAARHOJ software may offer joystick calibration tools.
- **Software Mapping:** Double-check the button and joystick mappings within the SKAARHOJ configuration software.
- **Physical Inspection:** Inspect for any physical obstructions or damage to the joystick or buttons.

6. SPECIFICATIONS

Feature	Detail
Brand	SKAARHOJ
Model	PTZ Pro Controller
Controller Type	Joystick (3-Axis Hall Effect)
Connectivity Technology	USB
Compatible Devices	Windows PC
Button Quantity	16
Additional Features	Ergonomic Design, Weighted Construction
Power Source	Corded Electric
Item Dimensions (L x W x H)	18 x 10 x 6 inches
ASIN	B07QX272PV

7. SUPPORT AND WARRANTY

7.1 Technical Support

For technical assistance, software downloads, firmware updates, and detailed configuration guides, please visit the official SKAARHOJ support website. You can find comprehensive documentation, FAQs, and contact information for their support team.

Official SKAARHOJ Website:www.skaarhoj.com

7.2 Warranty Information

Information regarding the product warranty is typically provided with your purchase documentation or available on the official SKAARHOJ website. Please refer to these resources for details on warranty coverage, terms, and conditions. Extended protection plans may be available from your retailer or third-party providers. Consult your purchase options for details on additional coverage.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question