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› REOLINK PoE Switch RLA-PS1 Instruction Manual

REOLINK RLA-PS1

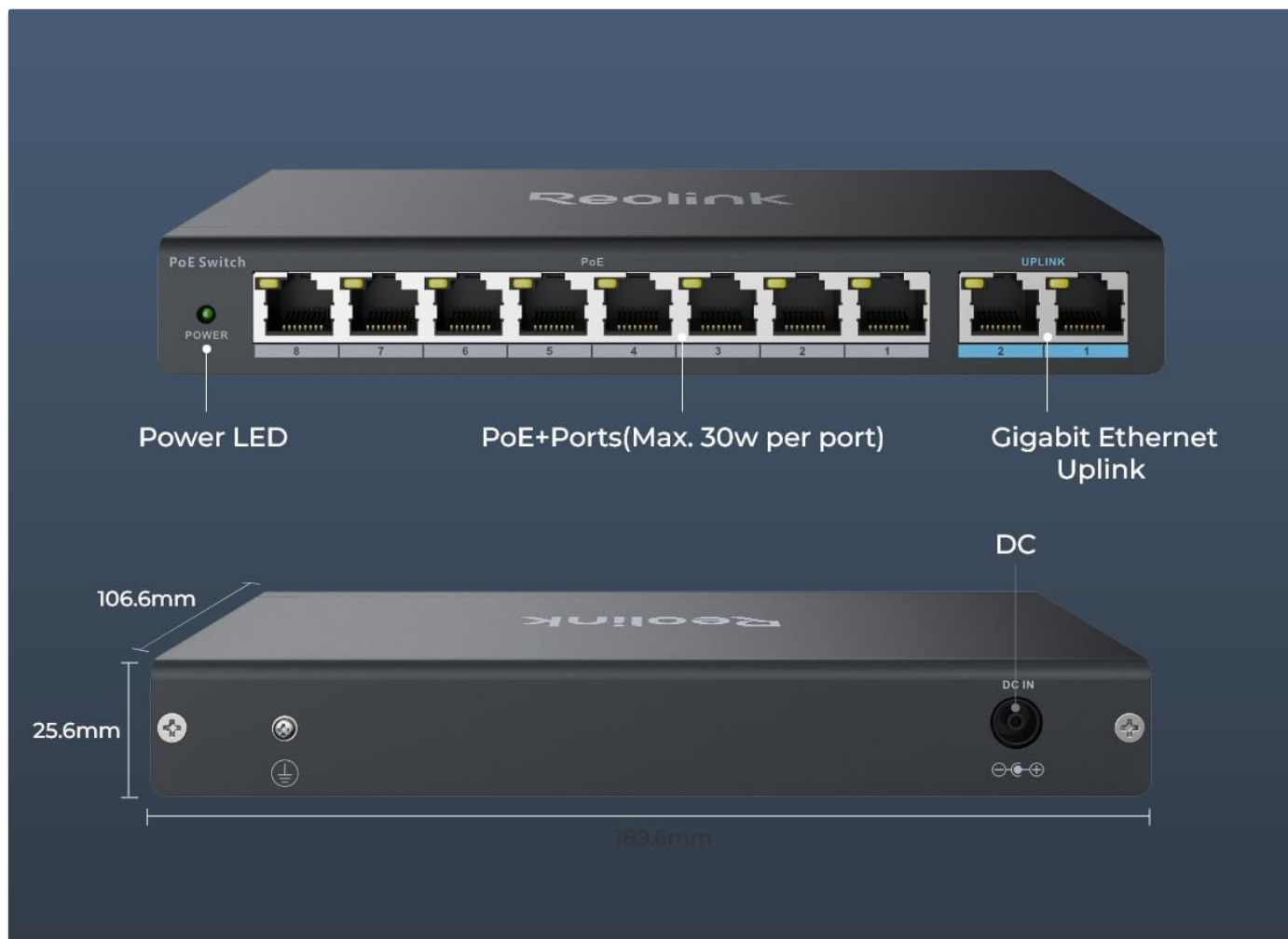
REOLINK PoE Switch RLA-PS1 Instruction Manual

Model: RLA-PS1

1. INTRODUCTION

The REOLINK PoE Switch RLA-PS1 is a 10-port Power over Ethernet (PoE) switch designed to provide power and data connectivity to PoE-compatible devices such as IP cameras. It features 8 PoE ports (10/100Mbps) and 2 Gigabit Ethernet uplink ports (10/100/1000Mbps), compliant with the IEEE802.3af/at standard. This switch offers intelligent power management, auto-detection of adaptive devices, and a plug-and-play setup, making it suitable for various environments including desktop and wall-mount installations.

2. PRODUCT OVERVIEW



What's in the box

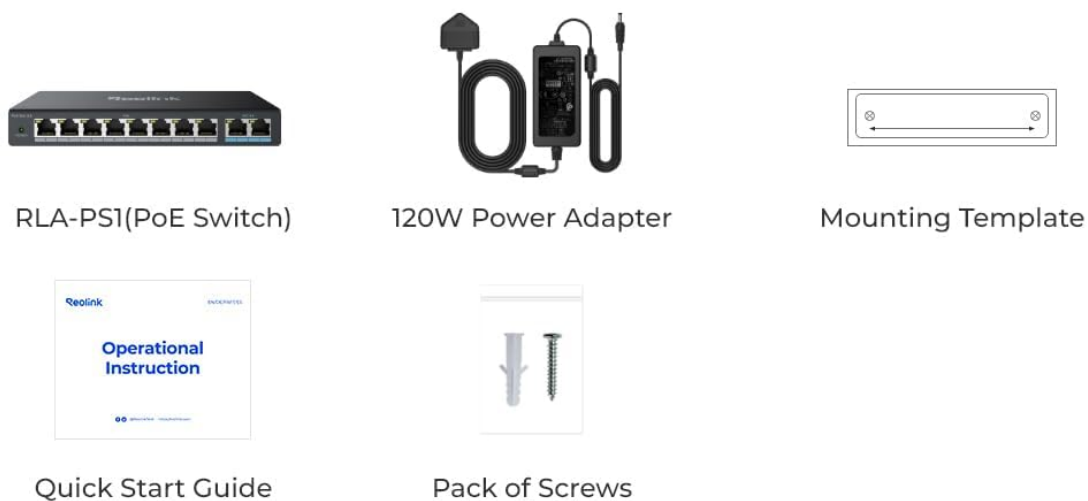


Figure 1: Front view of the REOLINK PoE Switch RLA-PS1, showing the Power LED, 8 PoE+ ports, and 2 Gigabit Ethernet Uplink ports.

Easy to Use & Well Designed



Plug and Play



4KV Surge Protection



Fanless Quiet Design



Durable Metal Casing

Figure 2: Side view of the REOLINK PoE Switch RLA-PS1, illustrating its compact dimensions (106.6mm length, 25.6mm height) and DC power input.

3. WHAT'S IN THE BOX

Intelligent Power Management

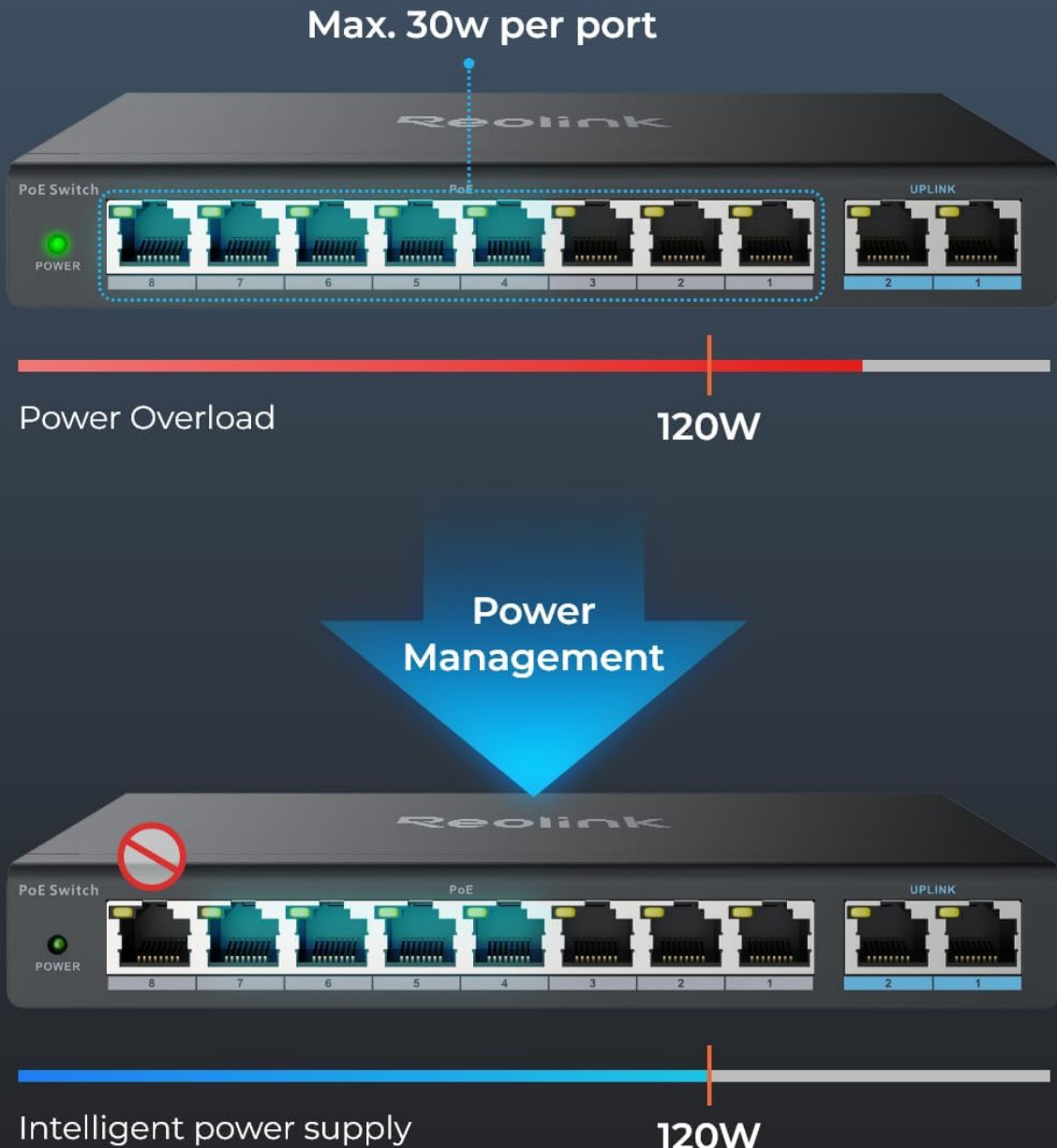


Figure 3: Visual representation of the items included in the RLA-PS1 package.

- 1x RLA-PS1 PoE Switch
- 1x 120W Power Adapter
- 1x Mounting Template
- 1x Quick Start Guide
- 1x Pack of Screws

- 4x Cotton Mats (for desktop use)

4. INSTALLATION

4.1 Tabletop Installation

To install the PoE Switch on a table, attach the four provided cotton mats to the bottom of the switch. Place the switch on a level surface.



Figure 4: Applying cotton mats to the base of the PoE switch for stable tabletop placement.

4.2 Wall Mounting

For wall mounting, follow these steps:

1. **Locate:** Determine the desired location on the wall for mounting.
2. **Drill Holes:** Use the provided mounting template to mark and drill holes according to the template markings.
3. **Screw In:** Insert the provided wall anchors into the drilled holes, then secure the screws using a screwdriver.
4. **Mount the Switch:** Mount the PoE switch onto the screws. Ensure the ventilation holes are facing upward for proper airflow.



Figure 5: The REOLINK PoE Switch RLA-PS1 securely mounted on a wall, showcasing its durable metal casing.

4.3 Installation Video Guide

For a visual guide on unboxing, installation, and connection, please refer to the official video below:

Your browser does not support the video tag.

Video 1: Official Unboxing, Installation & Connection Guide for the Reolink PoE Switch RLA-PS1. This video demonstrates how to unbox the product, install it on a table or wall, and connect it to your network and cameras.

5. KEY FEATURES

- **Power Over Ethernet (PoE):** The RLA-PS1 provides 8 PoE ports (10/100Mbps) and 2 Gigabit Ethernet uplink ports (10/100/1000Mbps). It complies with the IEEE802.3af/at standard, delivering up to 30W per PoE port with a total power budget of 120W for up to 8 PoE devices.
- **Intelligent Power Management:** This feature ensures stable power supply. If the total allocated power exceeds the 120W budget, lower priority PoE ports will be powered off sequentially until the total power consumption is below the

threshold. This protects the device from overload and prioritizes essential PoE devices.



Figure 6: Intelligent Power Management system preventing overload by prioritizing power distribution.

- **Auto Detection of Adaptive Devices:** The PoE switch automatically detects whether a connected device is PoE-compatible and requires power. It will not supply power to non-PoE devices, preventing potential damage.
- **Plug and Play:** The RLA-PS1 offers an easy setup, requiring only one Ethernet cable for PoE cameras.
- **Durable Metal Casing:** The switch features a robust metal casing for enhanced durability and fanless quiet design.

6. OPERATING INSTRUCTIONS: CONNECTION OPTIONS

6.1 Option 1: Connect Cameras to RLA-PS1 without NVR

This setup is ideal for direct camera access via a router.

1. **Power On:** Power on the PoE Switch.
2. **Connect to Router:** Connect one of the PoE Switch's uplink ports to your router.
3. **Connect Cameras:** Connect your PoE cameras (e.g., Reolink PoE Cameras, Reolink Doorbell PoE) to the PoE ports on the switch.



Figure 7: Connection diagram for cameras directly to the PoE switch and then to a router.

6.2 Option 2: Connect Cameras and NVR with RLA-PS1

This option provides higher reliability and security, with cameras managed directly by the NVR.

Method 1: Connect RLA-PS1 to the NVR Directly

1. **Power On & Connect Uplink:** Power on the PoE Switch, then connect its uplink port to an NVR RJ45 port.
2. **Connect Cameras:** Connect your PoE cameras to the PoE ports on the switch.

Note: With this setup, cameras are managed directly by the NVR and cannot be added to the Reolink App/Client separately.

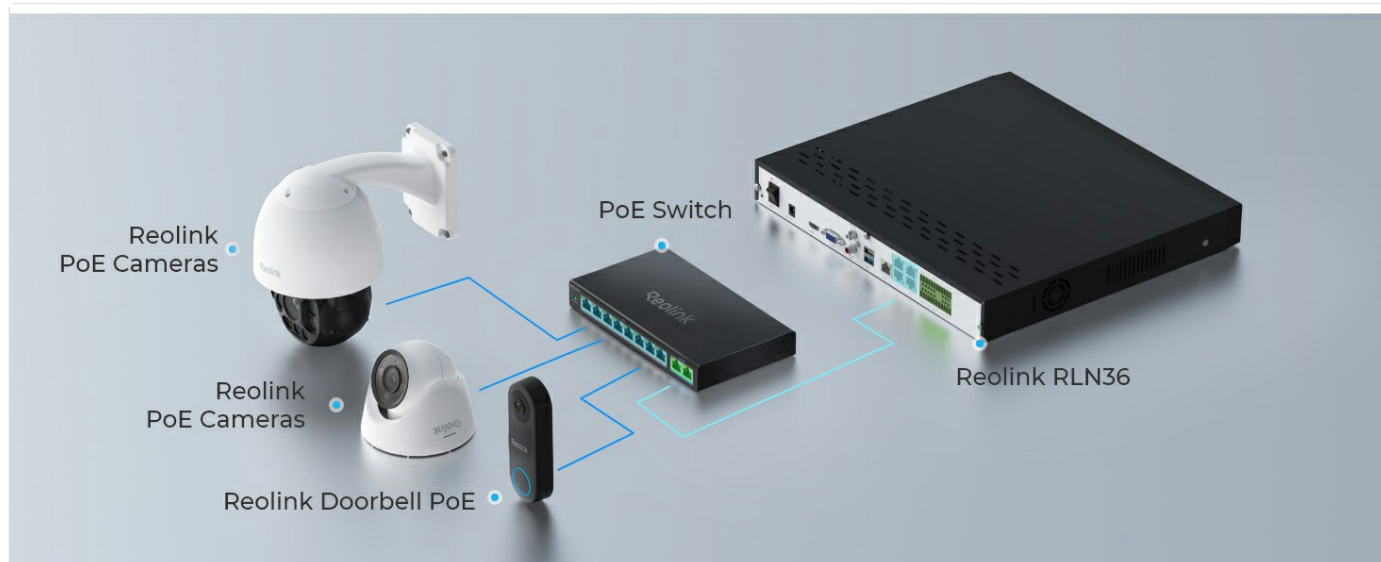


Figure 8: Direct connection of PoE switch to NVR for camera management.

Method 2: Connect RLA-PS1, Cameras, and NVR in the Same LAN

This setup allows cameras to share the same LAN as the NVR, supporting more features.

1. **Power On NVR & Connect to Switch:** Power on the NVR and connect its LAN port to an uplink port on the PoE Switch.
2. **Connect Switch to Router:** Connect another uplink port on the PoE Switch to your router.
3. **Connect Cameras:** Connect your PoE cameras to the PoE ports on the switch. Wi-Fi cameras will need separate power.

Note: With this setup, cameras share the same LAN as the NVR. You can add them directly to the Reolink App/Client or to the NVR as LAN devices.



Figure 9: Connection diagram for PoE switch, cameras, NVR, and router within the same local area network.

7. MAINTENANCE

To ensure optimal performance and longevity of your REOLINK PoE Switch RLA-PS1, consider the following maintenance tips:

- **Keep Clean:** Regularly clean the exterior of the switch with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Proper Ventilation:** Ensure the switch is placed in a well-ventilated area. Do not block the ventilation holes, especially if wall-mounted. The fanless design relies on natural convection.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bends to prevent signal loss or damage.
- **Power Supply:** Use only the original 120W power adapter provided with the switch.
- **Environmental Conditions:** Operate the switch within its specified temperature range (0°C to 45°C) and humidity levels. Avoid exposure to extreme temperatures, direct sunlight, or moisture.

8. TROUBLESHOOTING

Here are some common questions and their solutions:

- **Q: Does this PoE system work with other camera brands or models?**

A: The system is designed to work exclusively with Reolink PoE cameras to ensure full functionality and stable performance. Other brands or non-Reolink models are not officially supported.

- **Q: Do I need Internet to use the system?**

A: Internet is only needed for remote access. Local recording will work even without an Internet connection.

• **Q: What should I do if a camera or the NVR is not working properly?**

A: Check the cable connections, switch ports, and confirm power supply to all devices. If the issue persists, contact Reolink Support with your order information for troubleshooting or replacement assistance.

9. SPECIFICATIONS

Feature	Detail
Brand	REOLINK
Model Number	RLA-PS1
Number of Ports	10 (8 PoE, 2 Gigabit Uplink)
PoE Standard	IEEE802.3af/at
Max. Output Power per PoE Port	30 Watts
Total Power Budget	120 Watts
Data Transfer Rate	10/100/1000 Megabits Per Second
Case Material Type	Metal
Color	Black
Item Weight	1.17 Kilograms
Upper Temperature Rating	45 Degrees Celsius

10. SUPPORT & WARRANTY

REOLINK is committed to providing reliable products and excellent customer service.

- **Warranty:** The REOLINK PoE Switch RLA-PS1 comes with a 2-Year Limited Warranty.
- **Returns:** Enjoy a 30-Day Money Back Guarantee and Free Returns.
- **Customer Support:** 24/7 Online Support is available for any technical assistance or inquiries.
- **Authenticity:** Each item has a unique Transparency code that can be verified before shipping to prevent counterfeits.

For further assistance, please visit the official Reolink website or contact their customer support team.

ASK A QUESTION ABOUT THIS MANUAL

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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