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› STEAMEMO 16 Port Gigabit PoE Switch User Manual

STEAMEMO 18 Gigabit Ports|200W 16xPoE+

STEAMEMO 16 Port Gigabit PoE Switch User Manual

Model: 18 Gigabit Ports|200W 16xPoE+

Brand: STEAMEMO

1. PRODUCT OVERVIEW

The STEAMEMO 16 Port Gigabit PoE Switch is a smart managed Ethernet switch designed to provide both data connectivity and power (Power over Ethernet) to compatible devices. It features 16 PoE+ ports with a total power budget of 240W, along with additional Gigabit uplink ports. This switch supports plug-and-play functionality and offers advanced features like VLAN, remote management via a mobile app, and extended transmission capabilities, making it suitable for various networking environments including homes, offices, and factories.



Figure 1.1: Front view of the STEAMEMO 16 Port Gigabit PoE Switch, showing 16 PoE ports, 2 uplink ports, and an SFP slot.

2. SETUP

2.1 Package Contents

Before proceeding with installation, ensure all items are present in the package:

- STEAMEMO 16 Port Gigabit PoE Switch
- Power Adapter

- Rackmount Brackets (for rack installation)
- Screws
- User Manual (this document)

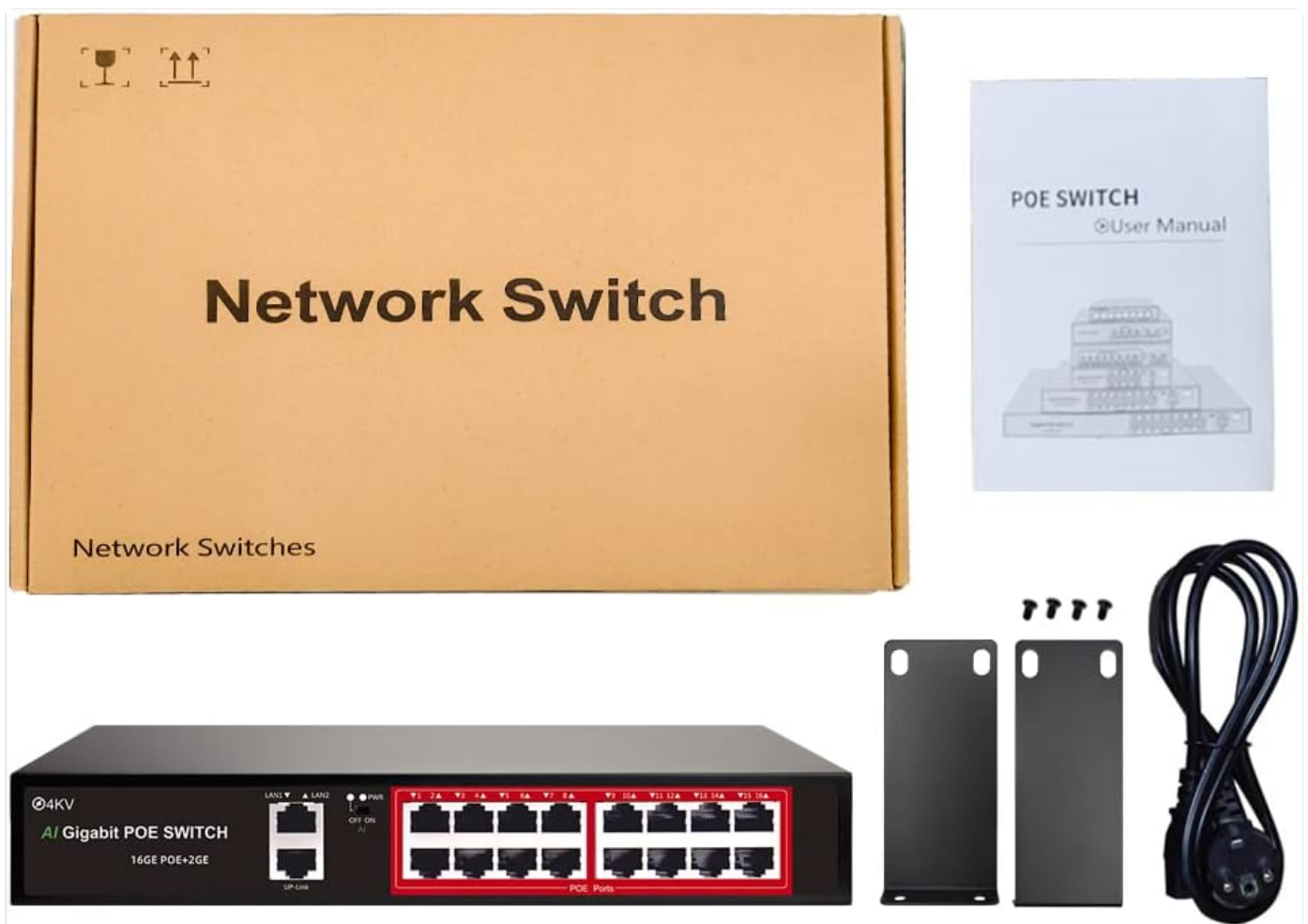


Figure 2.1: Package contents including the switch, power adapter, rackmount ears, and user manual.

2.2 Physical Installation

The switch can be installed on a desktop or mounted in a standard server rack.

- **Desktop Placement:** Place the switch on a flat, stable surface with adequate ventilation. Ensure no objects block the ventilation holes.
- **Rackmount Installation:** Attach the provided rackmount brackets to the sides of the switch using the included screws. Secure the switch into a standard 19-inch server rack.

2.3 Connecting the Switch

Follow these steps to connect your STEAMEMO PoE Switch:

1. **Power Connection:** Connect the power adapter to the switch's power input and then to a suitable power outlet. The power LED indicator on the switch should illuminate.
2. **Uplink Connection:** Connect your router or main network device to one of the Gigabit uplink ports (LAN1 or LAN2) on the switch using a standard Ethernet cable.
3. **PoE Device Connection:** Connect your PoE-compatible devices (e.g., IP cameras, Wi-Fi access points, IP phones) to the 16 PoE ports (1-16) on the switch. The switch will automatically detect and power these devices.
4. **Non-PoE Device Connection:** Non-PoE devices can also be connected to the PoE ports; the switch will only provide data connectivity.

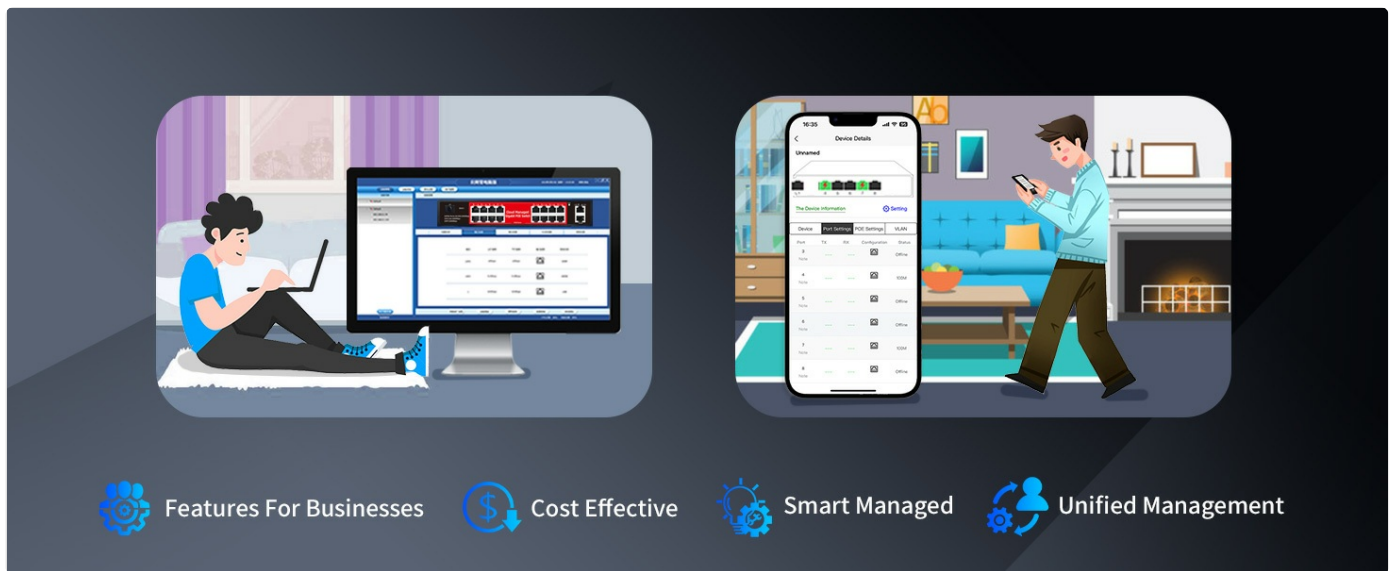


Figure 2.2: Illustration of connecting various devices like IP cameras, access points, and VoIP phones to the PoE switch, which then connects to the internet via a router.

2.4 Initial Cloud Management Setup

The STEAMEMO PoE Switch is cloud-managed via the SSC App. For initial setup and activation, the switch must be connected to the internet and powered on.

- Download the SSC App from your mobile app store:
 - [Android App \(Google Play\)](#)
 - [iOS App \(Apple App Store\)](#)
- Follow the in-app instructions to add and activate your device.

3. OPERATING THE SWITCH

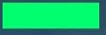
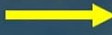
3.1 Power over Ethernet (PoE) Functionality

The switch automatically identifies and provides power to connected PoE devices, simplifying network deployment by eliminating the need for separate power adapters for each device.

Power over Ethernet

Support poe power up to 240W for 16 gigabit poe ports

Work with IEEE 802.3af/at compliant PDs

Data  Power 

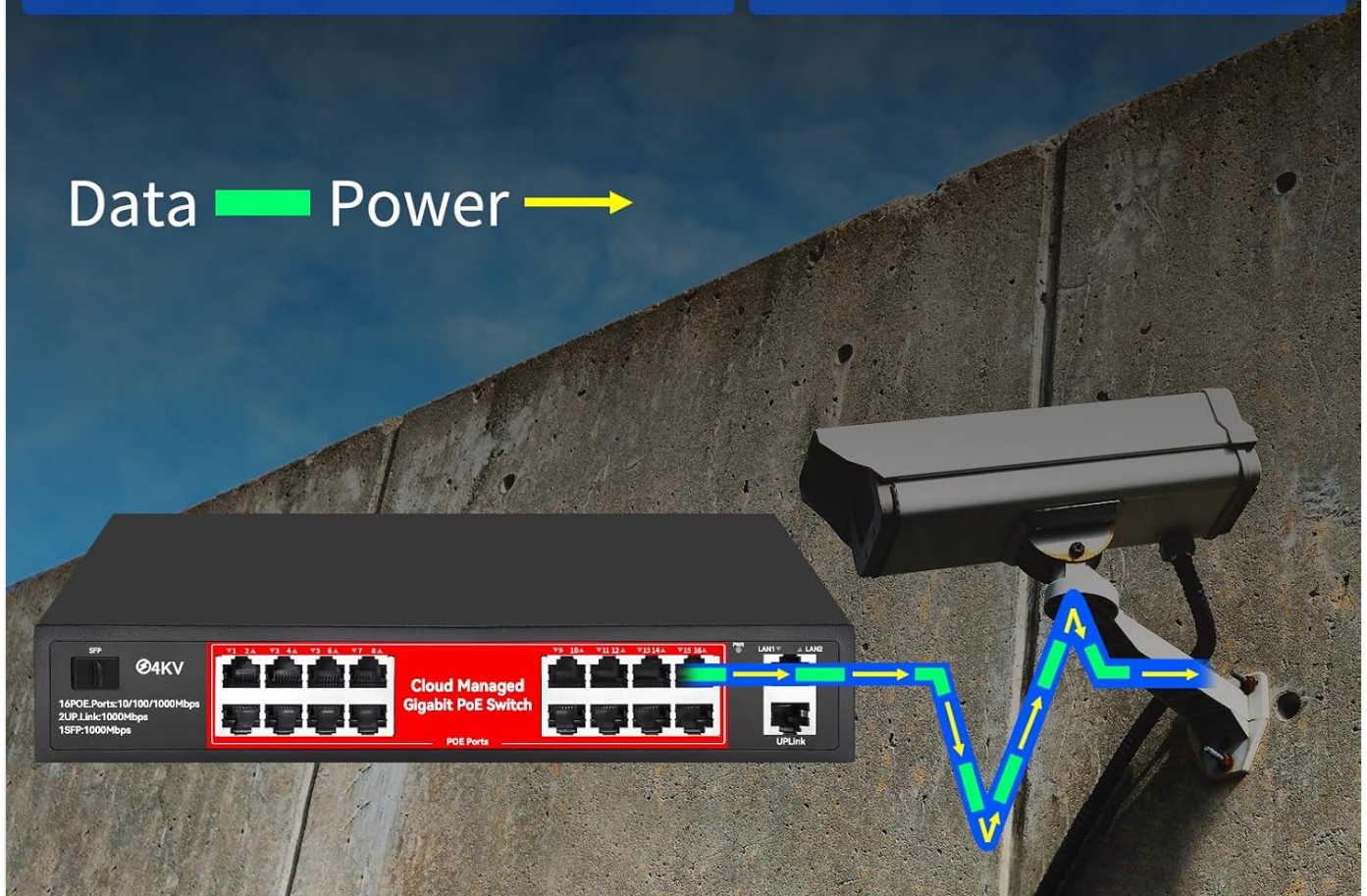


Figure 3.1: Power over Ethernet concept, showing data and power transmitted over a single Ethernet cable to a camera.

3.2 Cloud Management and Remote Access

Manage your switch and connected devices remotely using the SSC App or a computer. This allows for real-time monitoring, configuration changes, and troubleshooting from anywhere.

- **Remote Access:** Control PoE functions, check port status, and manage settings via the app.
- **Multi-User Sharing:** Share control of the switch with family or friends.



Figure 3.2: The SSC App interface showing device details and port settings for remote management.

3.3 Ultra-Far Transmission Mode

Activate the Ultra-Far mode to extend power and data transmission up to 250 meters (820 feet) over standard Ethernet cables. This is ideal for deployments in large areas, such as long-distance IP camera installations.

Cloud Managed Ultra-Far Transmission

16-port gigabit poe switch will deliver power up to 250 meters

APP remote control

820_{FT} Extend

OFF

>>100M>>10/100Mbps>



ON

250M 10Mbps

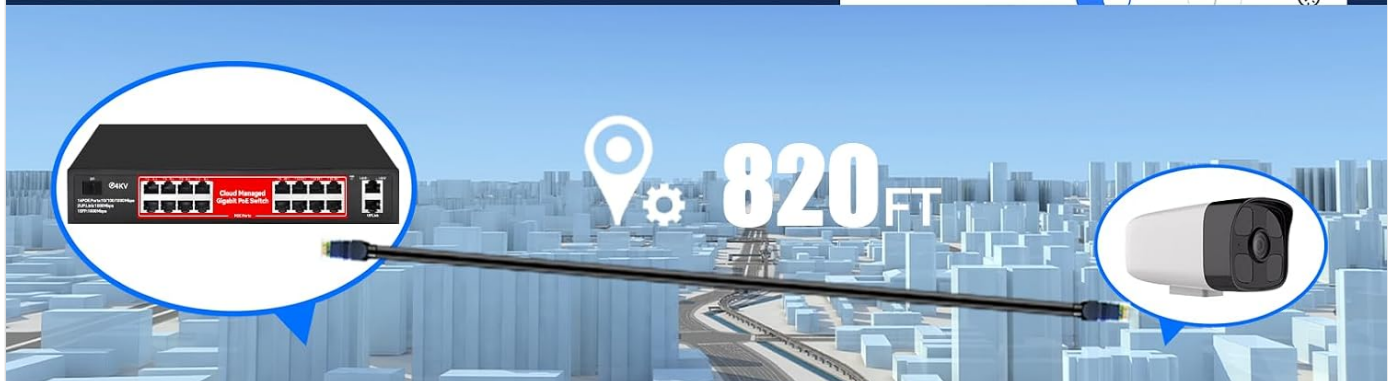
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Figure 3.3: Illustration of the Ultra-Far transmission mode extending PoE reach to 250 meters for devices like cameras.

3.4 VLAN Network Segmentation

The VLAN mode allows you to divide your network users into specific groups, enhancing security and simplifying network management by preventing interference between different user groups.

Unnamed



[The Device Information](#)

[Setting](#)

Device

Port Settings

POE Settings

VLAN

VLAN Setting:

Off ☐ On ☒

VLAN Type:

Port VLAN ☒ Tag VLAN ☐

[VLAN Port Setting](#)

VLAN

Network Segmentation

Help you divide network users into certain groups, letting management become easy, and the different groups of users will not interfere with each other.



With VALN

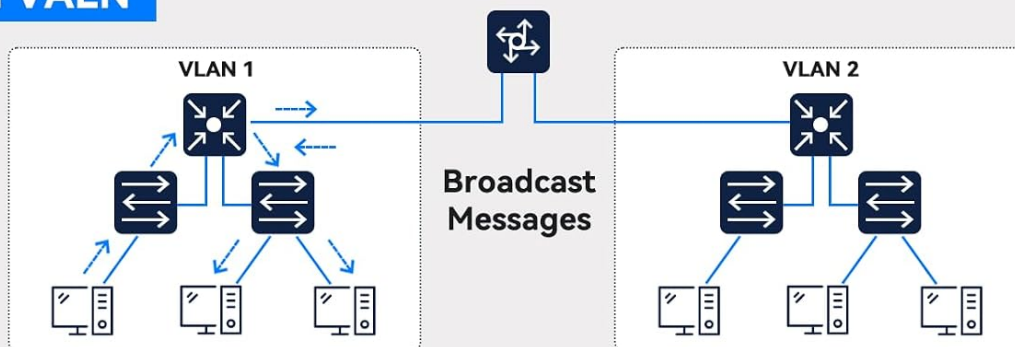


Figure 3.4: Visual representation of VLANs segmenting a network to isolate traffic between different groups of users.

3.5 PoE Port Timing Setting (PoE Scheduler)

Improve automatic management and save energy by scheduling when power is delivered to individual PoE ports. This feature allows for continuous operation of certain ports while enabling power cycling or shutdown for others based on a schedule.

PoE Scheduler

Improve the automatic management capability of switch,
and effective save energy

PoE time control

Allows you to specify the amount
of time that power is delivered to
a PoE port.

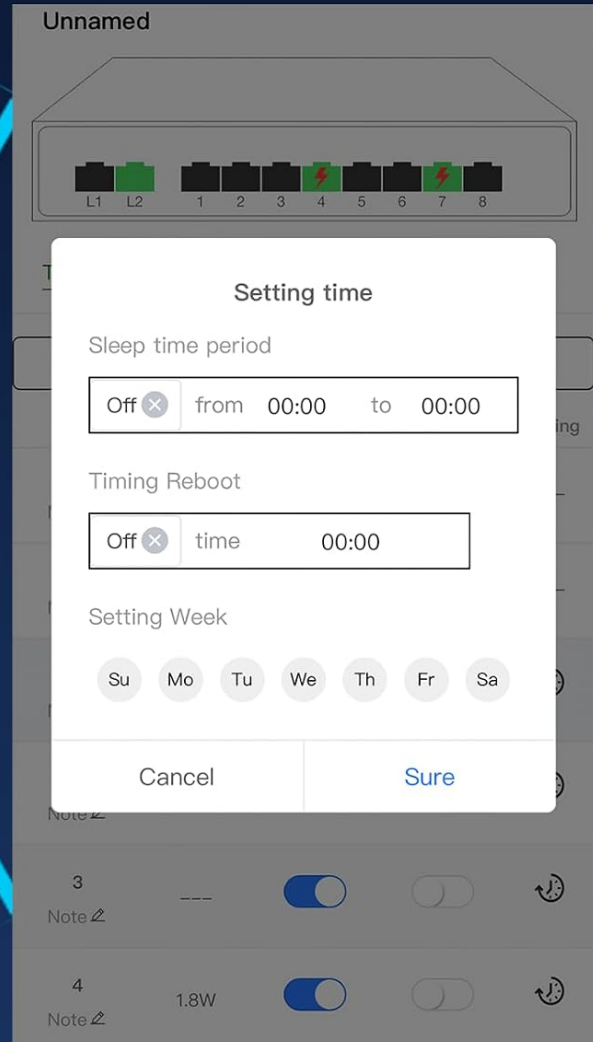


Figure 3.5: The PoE Scheduler interface, allowing users to set timing for power delivery and scheduled reboots for individual ports.

4. MAINTENANCE

4.1 Heat Dissipation and Durability

The switch features a sturdy metal casing and a fanless design, which contributes to better heat dissipation and quiet operation. This design ensures longer-lasting performance in various temperature environments.

4.2 Protection Mechanisms

The STEAMEMO PoE Switch incorporates multiple protection features to ensure reliable and safe operation:

- **4KV Lightning Protection:** Professional design with two levels of protection to effectively restrain lightning power from cables, safeguarding the network monitoring system.
- **Network Cable Short-Circuit Protection:** Protects against faults caused by short circuits in network ports.
- **Over Current Protection:** Prevents damage from excessive current flow.
- **Over Voltage Protection:** Guards against damage from voltage spikes.

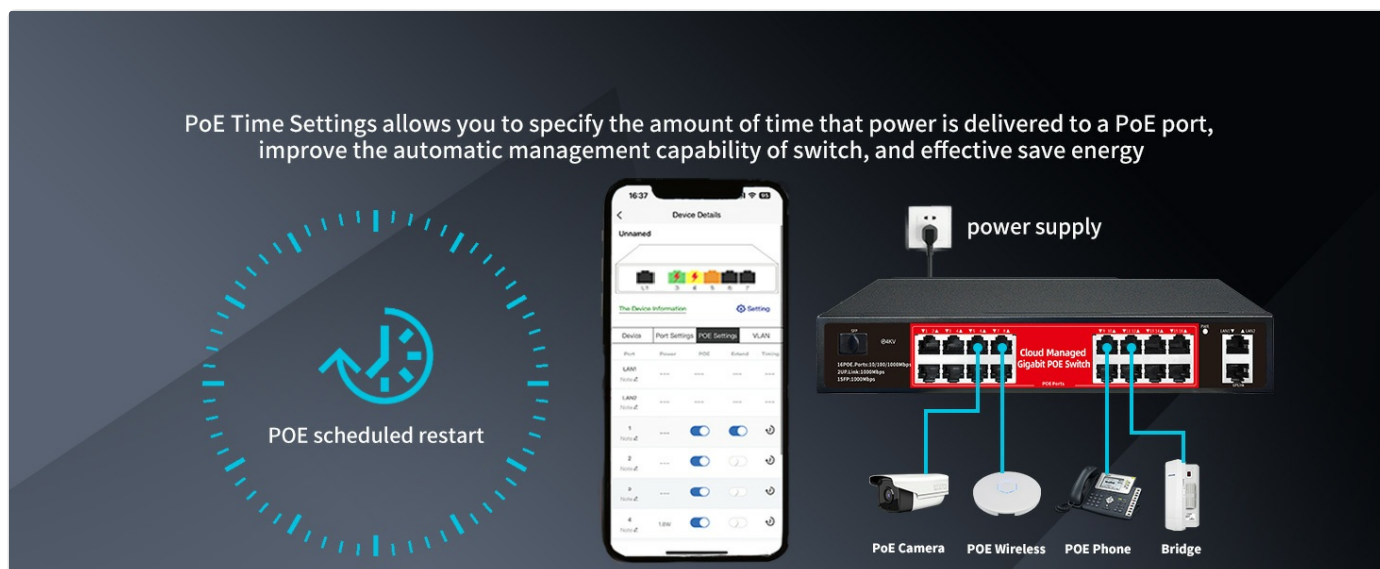


Figure 4.1: Visual representation of the switch's built-in protection features: Over-Current, Short-Circuit, Over-Voltage, and 4KV Lightning Protection.

5. TROUBLESHOOTING

This section provides guidance on common issues and how to resolve them.

5.1 Diagnosing Connectivity Issues

- **Port Status Indicators:** The SSC App provides visual indicators for each port's network performance and data transmission status:
 - **Green:** Good data transmission.
 - **Orange:** Poor data transmission.
 - **Black:** No data transmission or offline.
- **Check Cables:** Ensure all Ethernet cables are securely connected and undamaged.
- **Power Cycle:** Disconnect and reconnect the power to the switch and the affected device.

Monitor network quality anytime, anywhere

Orange: poor data transmission

One-Key to remote

Green: good data transmission

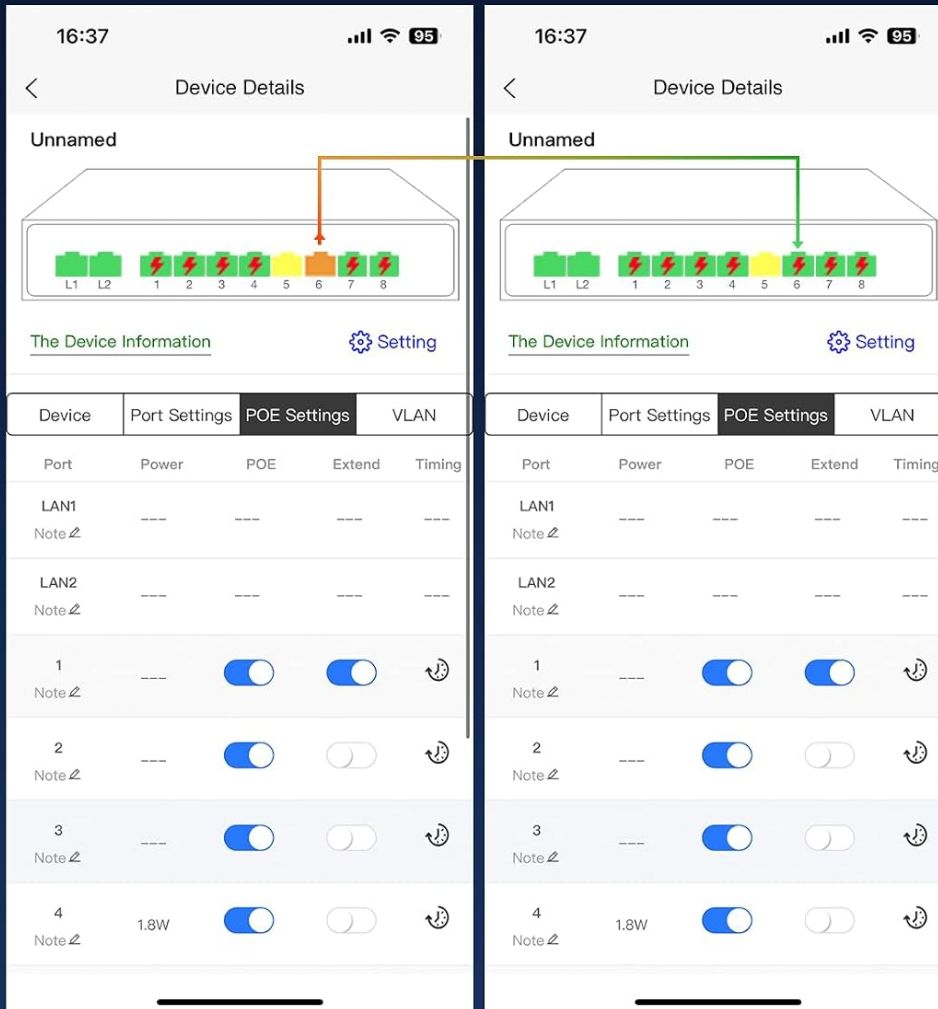


Figure 5.1: The SSC App displaying port status with color-coded indicators for network quality (green for good, orange for poor).

5.2 Remote PoE Restart

If a connected PoE device is unresponsive or experiencing issues (e.g., monitoring freezes, dropped calls), you can remotely restart its PoE power via the SSC App without needing to physically access the device or switch.

Your browser does not support the video tag.

Video 5.1: This video demonstrates how to remotely restart PoE power to a specific port using the SSC App, which can help resolve issues like monitoring freezes or dropped connections without on-site intervention.



Figure 5.2: Illustration of using the SSC App to remotely restart or turn off PoE power to connected devices like wireless access points or cameras.

6. SPECIFICATIONS

Feature	Description
Model Number	18 Gigabit Ports 200W 16xPoE+
Number of Ports	16 PoE+ Ports, 2 Gigabit Uplink Ports, 1 SFP Slot
Data Transfer Rate	10/100/1000 Mbps (Gigabit)
PoE Standard	IEEE802.3af/at
Max Single Port Power	30W
Total PoE Power Budget	200W (for 16xPoE+ model)
Dimensions (L x W x H)	10.6 x 7 x 1.8 inches
Item Weight	3.83 pounds (1.74 Kilograms)
Case Material	Metal
Operating Temperature	Up to 55 Degrees Celsius
Protection	4KV Lightning, Short Circuit, Over Current, Over Voltage

7. WARRANTY AND SUPPORT

7.1 Warranty Information

Specific standard warranty details for this product are not provided in the current documentation. However, extended protection plans may be available for purchase. Please refer to the product listing or contact the seller for more information regarding warranty coverage.

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly plan)

7.2 Customer Support

For technical assistance, troubleshooting, or product inquiries, please utilize the following resources:

- **SSC App:** Use the built-in remote management and troubleshooting features.
- **Online Resources:** Visit the official STEAMEMO store on Amazon for additional product information and support: [STEAMEMO Store](#)
- **User Guide (PDF):** A downloadable PDF version of the user guide is available for more detailed information: [Download User Guide](#)

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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