NAS Series

ProAV Web Interface

User manual for AV templates, ports, and switch uplinks

Contents

01	Connect and sign in	**3**
02	Read the Home dashboard	**4**
03	Choose an AV template	**5**
04	Edit templates and ports	**6**
05	Deploy on one switch	**7**
06	Extend a template across switches	**8**
07	Use a link aggregation group	**9**
08	Tools and configuration files	**10**
09	Advanced settings and terminal	**11**

01 / NAS SERIES

Connect and sign in

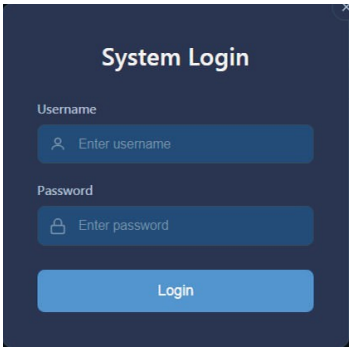
Use this guide for NAS Series switches that display the ProAV interface. After login, the navigation bar offers Home, Basic Settings, Tools, and Command Terminal.

1. Connect your laptop

Connect the laptop to the switch management network. For a direct connection to a switch at its factory address, give the laptop an unused Ethernet address such as 192.168.0.2 with subnet mask 255.255.255.0.

2. Open the ProAV login page

Enter http://192.168.0.1 in your browser. If the switch has already been configured, use its current management address. Click Log In. At factory settings, enter admin for both username and password, in lowercase. For an installed switch, use its assigned credentials.



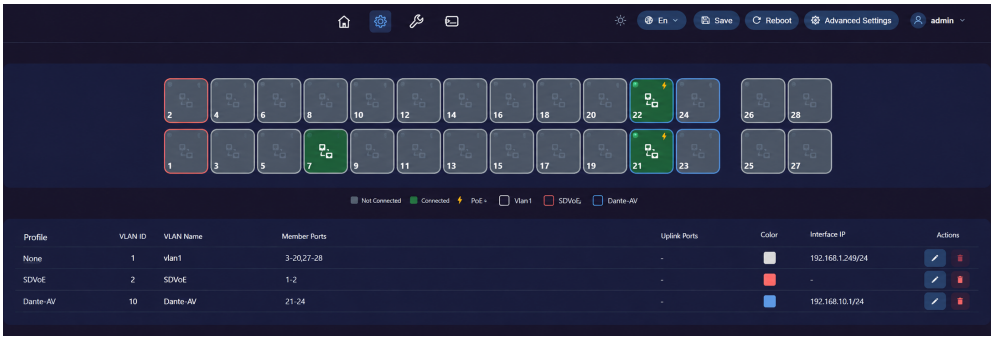
NAS24T4XP / Login screen

3. Confirm which switch you opened

On Home, open System Information and check the model, firmware, MAC address, and management IP. Use the language switch to select English or Chinese. The theme switch changes between the default dark view and a light view.

Read the Home dashboard

Start at the port panel to identify the physical connection. Use Statistics and System Log to investigate what the port is doing.



NAS24T4XP / Dashboard detail

Home module	What to check
Port Panel	Hover over a port to see its name, VLAN, status, speed, and type. Hover over a tag in the tag bar to highlight ports with that attribute.
Hardware Monitoring	Read CPU and memory utilization, system temperature, and total PoE power usage where supported.
Statistics	Choose traffic, data, error packets, discarded packets, or PoE output power. Device View compares ports in a bar chart. Port View shows a selected port over time in a line chart.
Statistics filters	For traffic measurements, choose upload, download, or both. Select bits or bytes and keep the unit consistent when comparing ports.
System Information	View device identity and firmware. Use Local IP to edit the management address or system clock, and enter the switch location and administrator contact. Reconnect at the new address after an IP change.
System Log	Show all entries or filter for Error, Warning, or Information.

Customize the dashboard

Click Panel Switch in the lower-left corner. Show or hide Statistics, System Information, and System Log. Drag a module up or down to change its position.

Choose an AV template

Open Basic Settings. Use Template Settings to create an assignment and Template List to review or edit an existing assignment. A template combines an audio or video preset with a VLAN and its ports.

Audio templates	Video templates
Generic Audio	Generic Video
Dante	H.264/H.265
AES67	SDVoE
Q-SYS	JPEG 2000
	Dante AV

Choose the preset that matches the endpoints. For example, select Dante for Dante audio and Dante AV for a Dante AV video deployment. The template names identify the intended application. The interface guide does not list the protocol settings applied internally by each preset.

Define the assignment

Template Settings field	What to enter
VLAN ID and VLAN Name	Enter an ID from 2 through 4094 and a name recognizable on site. VLAN 1 is the permanent factory template and cannot receive an AV preset.
Member Ports	Select the local ports connected to devices using this template.
Cascading Port / Uplink	Select the port connecting to the next switch when the VLAN spans switches. Leave this selection empty in a standalone installation.
Color	Choose the template's display color. Use it to identify the assignment in the list and port panel.
Interface IP	Optional. Enter an interface address only if the network plan assigns one to this switch for the template VLAN.

Click Apply, check the resulting entry in Template List, then use Save in the navigation bar to retain the configuration.

Edit templates and ports

Change an existing template

1. In Basic Settings, locate the VLAN in Template List. Check the template name, VLAN name, member ports, cascading port, color, and interface IP before selecting Modify.

2. Update the required fields. Select Confirm Changes to accept the edit or Delete Changes to discard the pending edit.

3. Check the template row and hover over its tag in the port panel. Save the verified configuration from the navigation bar.

> **Delete removes the selected template. Delete Changes discards an edit in progress. The factory VLAN 1 template cannot be deleted.**

Identify a port or change its state

1. Open Port Settings. If it is hidden, use Panel Switch on the Basic Settings page to show it.

2. Select the physical port number. Enter or change its name and choose the device type. The port list updates the icon to reflect that type.

3. Set the port's administrative state and, on a PoE-capable port, its PoE state. Disabling the port interrupts the link. Disabling PoE cuts switch-supplied power to the endpoint.

4. Click Set to submit the settings. Use Modify for an existing entry. Verify the name, icon, and link on Home. For a powered endpoint, check PoE Output Power in Statistics.

Deploy on one switch

Use this workflow when all encoders and decoders are connected to one switch. The example uses the SDVoE video preset. Use the VLAN ID and physical ports from your installation plan.

Apply the preset

1. Open Basic Settings and select SDVoE in Template Settings.

2. Enter the planned VLAN ID and VLAN name. Select the ports connected to the encoders and decoders as Member Ports.

3. Leave Cascading Port empty. Choose a template color. Enter the interface IP only if the switch needs the address specified in the plan.

4. Click Apply. Find the new VLAN in Template List and compare its member ports with the cabling schedule.

Verify before saving

Check	Expected result
Template List	The row shows the selected preset, VLAN ID, name, and endpoint ports.
Port Panel and Tag Bar	Hovering over the template tag highlights the expected ports. Hovering over each connected port shows the expected VLAN and link status.
Endpoint test	Route a source to a receiver using the AV system's normal controls. Confirm the receiver reproduces the source.

When the checks pass, click Save in the top navigation bar.

Extend a template across switches

Use a cascading port when endpoints on the same template VLAN are connected to different switches. Configure each participating switch and verify each end of the inter-switch link.

Configure both ends

1. Identify the local endpoint ports and the physical inter-switch port on each switch. Record the VLAN ID that must cross the link.

2. On the first switch, open Basic Settings and select the required template. Enter the VLAN ID and name. Select its local endpoint ports as Member Ports and its inter-switch port as Cascading Port.

3. Set the color and any planned interface IP, then click Apply. On the second switch, repeat the assignment using the same VLAN ID and preset, selecting that switch's own ports. If you assign interface IPs, use the distinct addresses from the network plan.

Check the complete path

Location	Verification
First switch	Template List includes the local endpoints and the intended cascading port.
Second switch	The same VLAN ID is present, with the peer uplink and the remote endpoint ports selected.
Inter-switch link	Both port panels show the link up at the expected speed.
AV endpoints	Test a source on one switch with a receiver on the other. If local reception works but remote reception fails, check the cascading selection and VLAN ID at both ends.

Save the verified configuration on each switch.

Use a link aggregation group

A link aggregation group (LAG) combines several physical links into one logical connection. Create the group at both ends before assigning the template uplink.

1. Create the group

In Basic Settings, open Link Aggregation Settings. Enter a LAG ID from 1 through 32, enter a descriptive LAG Name, and select the physical Aggregation Member Ports. Click Set (shown as Apply in the worked example). Verify the group appears in the aggregation list.

Configure the corresponding group on the peer switch with the ports physically connected to those links. The source example uses ports 25 and 26. On your switch, use the actual port numbers in the cabling plan.

2. Apply the AV template

Select the preset in Template Settings. Enter the VLAN ID and name, select the local endpoint ports, and select the uplink corresponding to the aggregation in the cascading/uplink control. Choose a color, enter any planned interface IP, and click Apply. Repeat on the peer.

3. Verify and save

Check the aggregation list for the intended members and Template List for the intended VLAN and uplink. Confirm member link status at both ends, then test traffic between endpoints on opposite switches. Click Save on both switches.

> **The ProAV LAG form documents the ID, name, and member ports. If the installation requires a particular negotiation mode, verify that mode at both ends in Advanced Settings.**

Modify or remove a group

Select Modify in the aggregation list to edit the group. Delete removes the selected group. Review the affected template uplinks before removing a group that carries traffic.

Tools and configuration files

Use Save in the top navigation bar to store the current switch configuration. Tools provides backup, restore, software upgrade, and factory reset.

Task	Procedure
Back up	Save the current settings first. In Tools, select Back Up Configuration File and download the backup. Identify the file by switch and date so you can select the correct copy later.
Restore	Select Restore Configuration File and import the intended backup. Wait for successful import, then reboot the switch for the restored settings to take effect. Reconnect at the management address stored in that backup.
Upgrade software	Select Software Upgrade and choose the Niveo firmware intended for the exact switch model. Follow the displayed update instructions. After the switch returns to service, check the firmware version in Home under System Information.
Restore factory defaults	Back up any settings you need to keep. Select Restore Factory Defaults to clear the configuration, then reboot for the change to take effect. Reconnect using the factory management address and credentials.
Reboot	Use Reboot in the top navigation bar. A reboot interrupts switching and PoE-powered services may be affected. Save any changes you intend to keep before restarting.

Verify a restore

Check the switch identity, management IP, and firmware on Home. In Basic Settings, compare the template VLANs, member ports, cascading ports, and aggregation groups against the installation plan. Test an endpoint before returning the switch to service.

Use Panel Switch on the Tools page to show, hide, or reorder its modules.

Advanced settings and terminal

The ProAV interface provides two routes to detailed configuration. Choose the one appropriate to the task.

Advanced Settings

Click Advanced Settings in the navigation bar to open the switch's network-engineering web interface. Use the NAS Series Web GUI Manual for those menus, including VLANs, multicast, routing, and QoS.

Command Terminal

1. Click Command Terminal in the ProAV navigation bar. The Command Terminal module opens the switch CLI inside the browser.

2. Use Command Reference on the same page for common commands and their descriptions. Consult the NAS Series CLI Manual for full syntax and command modes.

3. For a read-only identity check, enter show version at the switch prompt. Compare the result with the firmware recorded on Home.

Finish the session

Return to Home and verify the affected ports or services. Use Save to retain the intended configuration, then click Log Out to end the management session.