SETUP GUIDE

WyreStorm NetworkHD switch configuration

A Niveo deployment checklist for NetworkHD. Select the WyreStorm documentation for the exact series, encoder/decoder, and controller before setting up the switch.

Build the media network

1. Confirm the series-specific access link speed, switch capacity, power, frame size and uplinks. Calculate uplink load from simultaneous cross-switch subscriptions and reserve capacity.

2. Create the designated media VLAN. Set endpoint ports to the appropriate access VLAN and carry it over the required uplinks. Preserve the controller's required discovery and management path.

3. On documented NGSM/NGSME interfaces, open Configuration > IPMC > IGMP Snooping. Enable snooping globally and on the media VLAN. Select the supported IGMP version and verify one active querier on that VLAN. Assign static router ports only where the design has an actual upstream multicast router and requires a static entry.

4. Keep Fast Leave off on trunks and shared downstream ports. Enable it for a single receiver only when the vendor profile calls for it and the join/leave test passes. Use proxy functions or change unknown multicast forwarding only when specified for the installed series and tested with controller discovery.

Accept the installation

- Check controller discovery, same-switch video and cross-switch video. Change sources while another receiver remains on the previous source. Check that its picture stays stable and that unused ports are not carrying the video groups.
- Test full intended load and check group entries, multicast router ports, uplink utilization and errors. Save running settings to startup and verify a planned restart.

References

WyreStorm NetworkHD Technical Reference Guide

Niveo NGSME8H/16/24 managed-switch manual

IETF RFC 4541, IGMP and MLD snooping considerations

Documentation review. Validate with the exact firmware and endpoints before deployment.