VIDEO COMPANION / NRS8T2P

Dante Audio switch configuration

This walkthrough covers native Dante Audio in one local VLAN. For Dante AES67 interoperability and routed designs, confirm the platform and endpoint requirements separately.

Configure the switch

1. Confirm the model and firmware. In Configuration > Green Ethernet > Port Power Savings, disable EEE on the ports carrying Dante. Verify link speed and retain the approved standard frame-size profile.
2. Preserve mDNS discovery and native Dante clock forwarding. Where using multicast media, enable Configuration > IPMC > IGMP Snooping globally and for the Dante VLAN. Configure or identify the active querier and confirm its source address. Verify discovery and multicast subscriptions before tightening unknown multicast policy.
3. If QoS is required by the network design, configure DSCP classification and appropriate egress scheduling for 56 (critical clock), 46 (audio and relevant PTPv2 traffic), 8 (reserved) and 0 (best effort). For Dante audio-only, Audinate requires QoS at 100 Mb/s or in mixed 100 Mb/s and 1 Gb/s deployments. Do not create a switch clock instance just to forward native Dante.

Verify and save

- In Dante Controller check devices, clock status, subscriptions, latency and errors. Test sustained audio and any redundant path. Save the page settings, then save running to startup configuration and verify the result.

Use the accompanying video for navigation. Follow the settings in this revised guide where the recording differs.

References

Niveo NRS managed-switch manual, rev. 3.1

Audinate, Dante information for network administrators

IETF RFC 4541, IGMP and MLD snooping considerations

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