Dante Audio

Switch setup

Typical installation

One dedicated gigabit switch, a Dante transmitter and receiver, and ordinary one-to-one audio subscriptions.

1 Connect the equipment

Connect the endpoints and your laptop to the same AV network. Open the switch's management address in a browser and sign in. In System Information, confirm NRS8T2P. Use Configuration > Ports to check the connected links.

2 Turn off port energy saving

Open Configuration > Green Ethernet > Port Power Savings. Clear EEE (Energy Efficient Ethernet) on the ports carrying this traffic and save. This keeps those links awake.

3 Keep the basic network simple

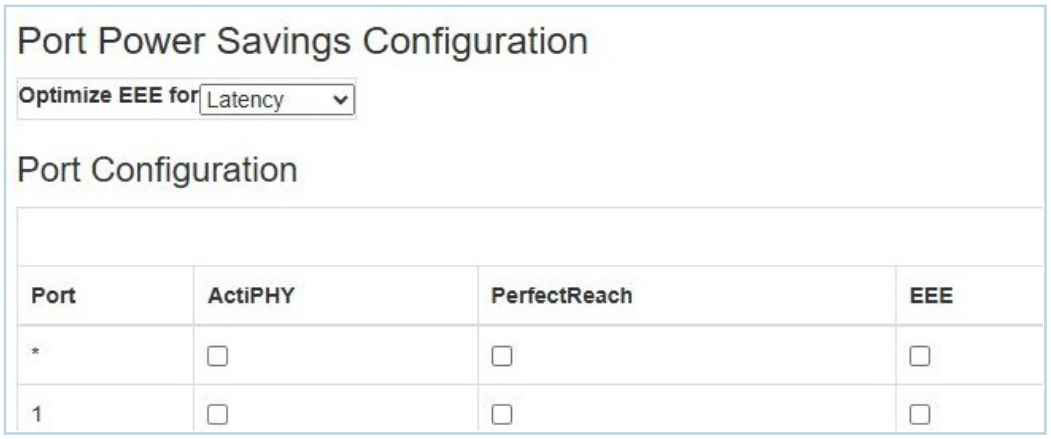
Use the existing standard frame size. Leave clock settings alone: Dante devices select their clock leader. On this dedicated gigabit audio network with few or no multicast media flows, leave IGMP and QoS at their defaults.

Finding the right port

Trace the cable from the Dante device to its numbered socket. Use that same number in the switch table. Leave the laptop's management port as it is.

Dante Audio

Save and test



An empty box in the EEE column means energy saving is off for that port.

Save the settings

Click Save on each page you changed. Open Maintenance > Configuration > Save startup-config. Click Save Configuration and wait for “startup-config saved successfully.” Reopen the changed page and check the values.

Test with the equipment

In Dante Controller, find both devices, open Routing and click the transmitter/receiver channel intersection. Look for a green check. In Clock Status, confirm a stable leader, then play audio and listen at the receiver.

When the installation differs

Many multicast streams? Under Configuration > IPMC > IGMP Snooping > Basic Configuration, enable Snooping and save. Keep Fast Leave clear. Under VLAN Configuration, enable Snooping and Querier Election on VLAN 1. Save. The querier checks which receivers still want each stream. Sharing links with other traffic or using 100 Mb/s devices? Apply Audinate’s strict-priority QoS profile, with DSCP 56 above 46, then 8 above ordinary traffic (0).

References

Niveo NRS user manual
Audinate network settings