A glimpse of the future

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Outline

- Standards shakeout
  - AES67 & AVB
  - Dante support for AES67
- Dante Via
  - Computer based audio networking
- Future services
  - Scaling media networks
  - Routing and security

Standards Shakeout

AES67 in a single slide

- What is it?
  - Interoperability specification
  - Existing standards from the Internet world
  - Audio transport only
- AES67 is not:
  - A spec for a complete system
- Why is it interesting?
  - Deployable: works with existing switches
  - Pragmatic scope

What about AVB?

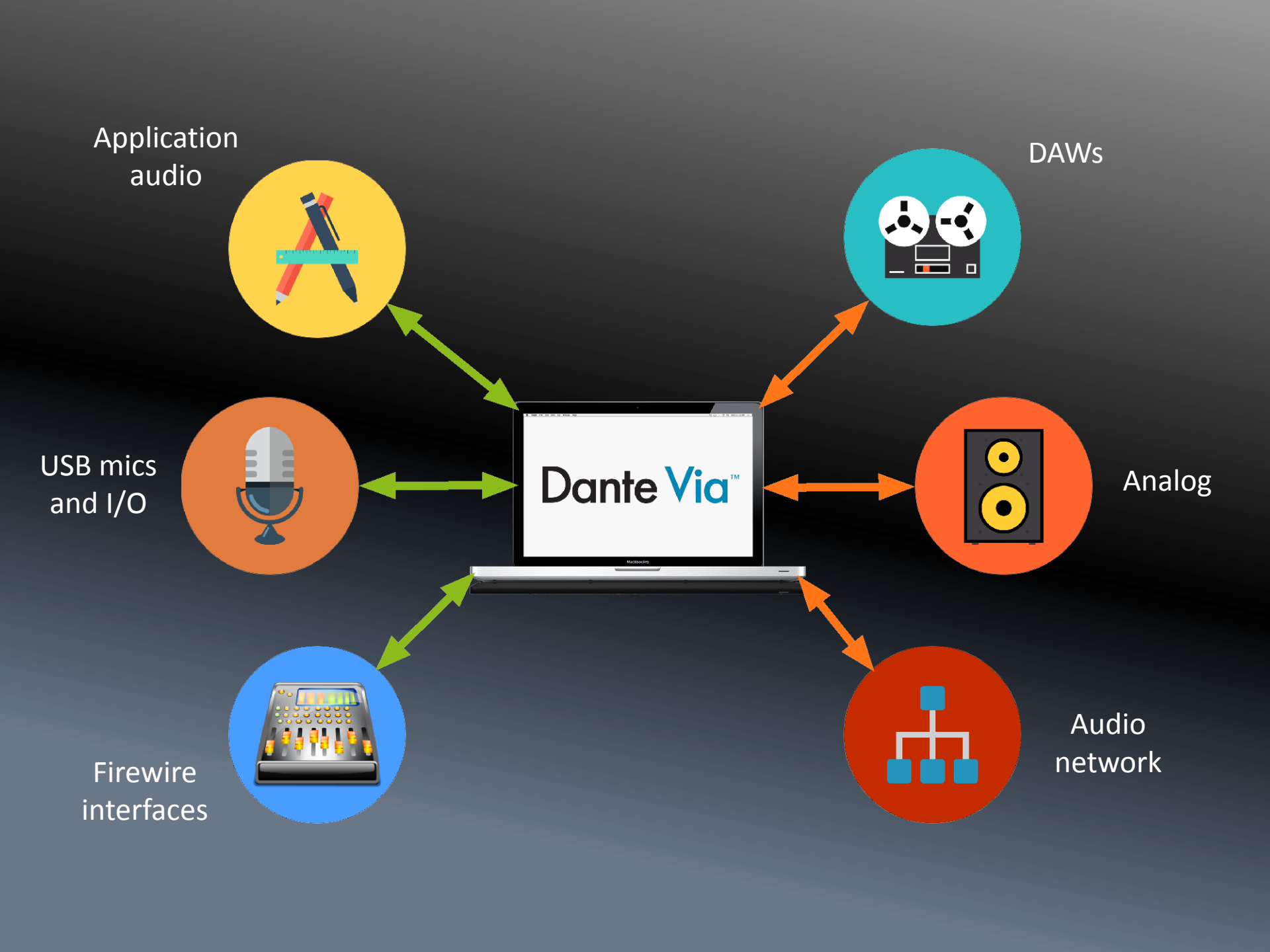
- Our customers: interest is declining..
  - AES67 offers an alternative
- Switches support remains an issue
  - AVB features not widely available
  - OK if you ship your own switches
- AVnu activities continue
  - Automotive, industrial control, …
  - TSN/Layer3: making AVB work with IP

Dante support for AES67

- Firmware update released to OEMs
  - Announced April @ NAB show
  - New feature addition: AES67 support
  - Existing ATP & AES67 transports will coexist
    - Single firmware speaks both
- Stream setup with Dante Controller
- Simple discovery scheme
  - Enables 3rd party discovery

Dante Via™

Networks, merges and routes all of your computer's audio streams and devices


Application audio
DAWs
USB mics and I/O
Dante Via™
Analog
Firewire interfaces
Audio network

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Dante™

Limitless Possibilities

- Create a computer-only Dante audio network
- Connect USB and Firewire interfaces to Dante
- Extend computer microphones and speakers
- Route application audio to any receiver

Extend your audio

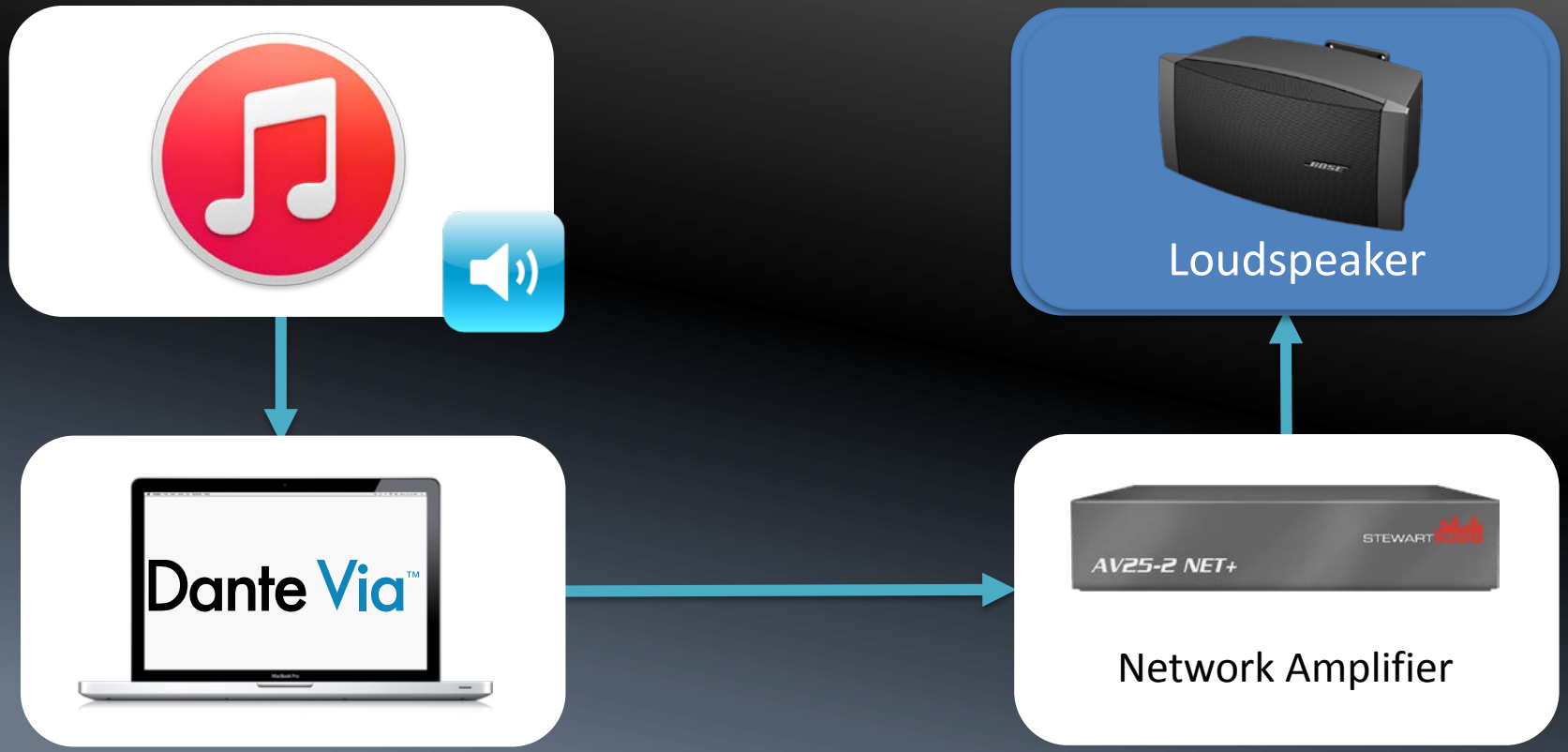
Regular Mic

USB interface

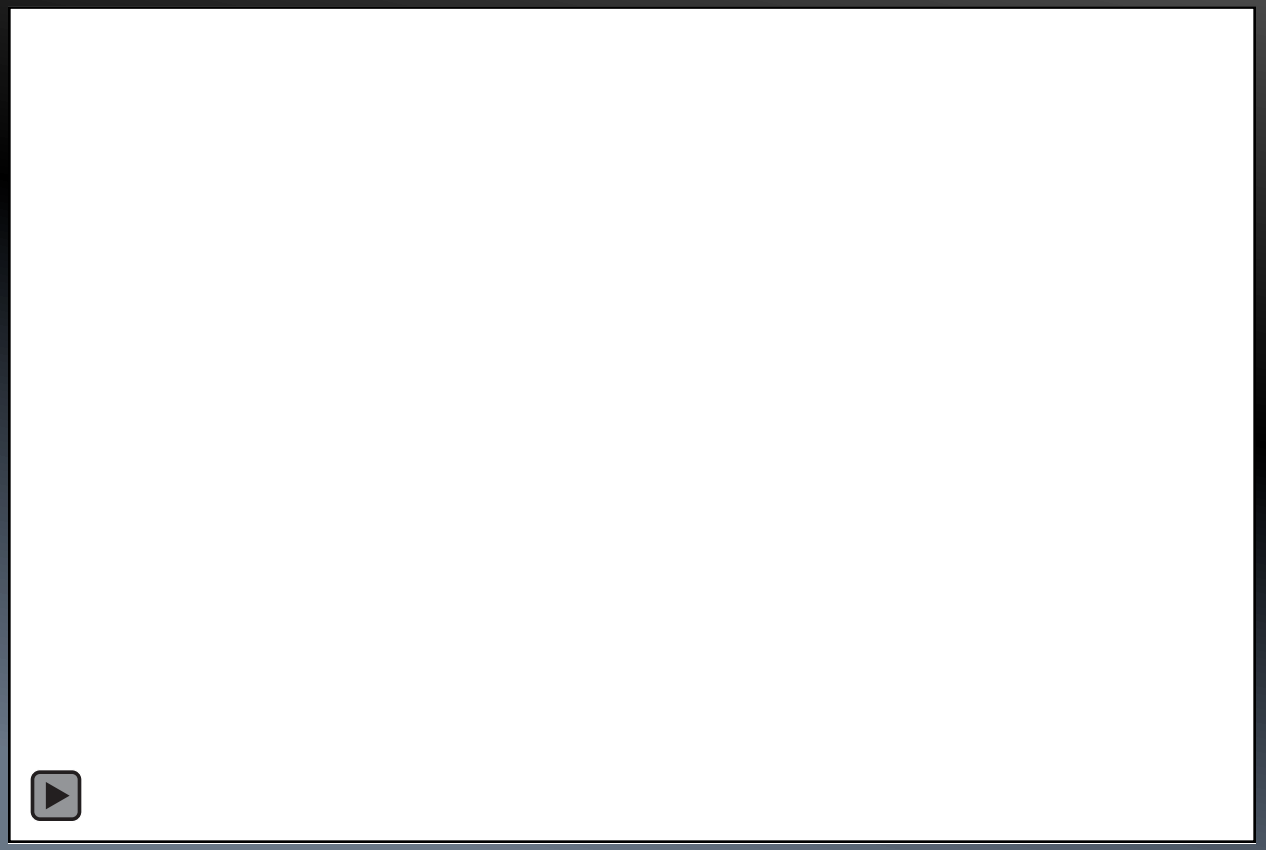
Monitors

Extend your audio

Network audio applications



Network audio applications



Merge devices and applications

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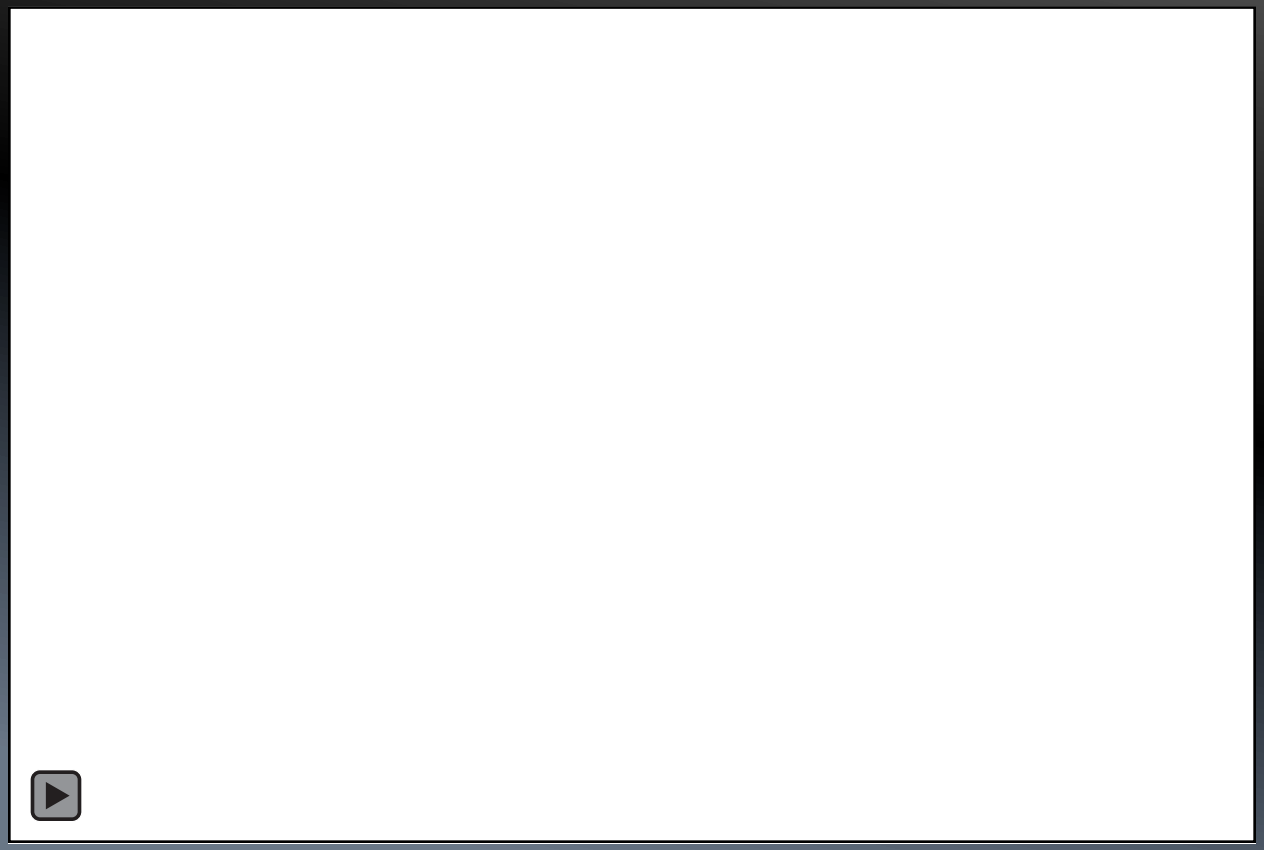
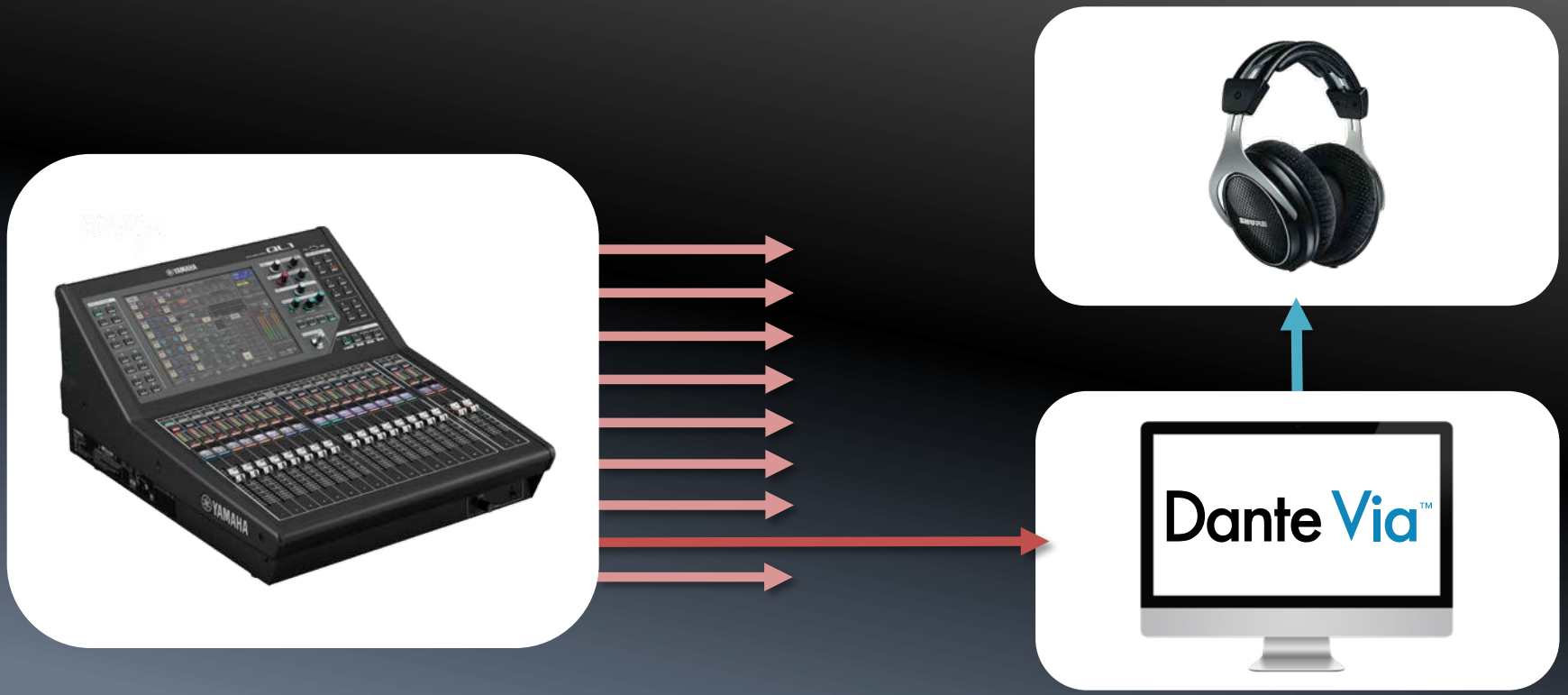


Monitor Dante Channels



Monitor Dante Channels

Dante Via™

Connect Everything

Network Services

The scale tipping point

- Today, most audio networks are not *large*
  - By networking standards at least
- As audio networking becomes ubiquitous
  - Integration like never before is possible
  - Systems become larger
- *Tools and services supporting large scale systems will become critical*

Future needs

- Combining LAN audio networks into larger systems
  - Sync, transport and discovery across IP routers
- Allow systems to share network infrastructure without interfering with each other
- Administrative controls to prevent unauthorized changes
- Logging and tracing
  - For support staff, SLAs, post mortems

In Development

- Services platform
  - Deployable on PC/Mac platforms
  - Enables management services
- Initial services
  - Services for routed IP networks
  - Administrative controls for Dante networks
    - Logins & access controls

Wrapup

- Standards shakeout
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- Future services
  - Scaling media networks
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Questions?

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Booth: 827

Come see a demo