



DANTE™ AV NETWORKING WORLD

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# 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



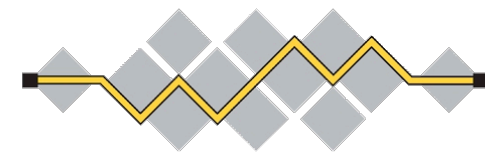
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# Standards Shakeout


# 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



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# 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

- Dante will soon offer AES67 support
  - New feature addition
  - Initial release target is Q1 CY15
  - Existing ATP & AES67 transports will coexist
    - Single firmware speaks both
- Stream setup with Dante Controller
- Simple discovery scheme
  - Enables 3<sup>rd</sup> party discovery



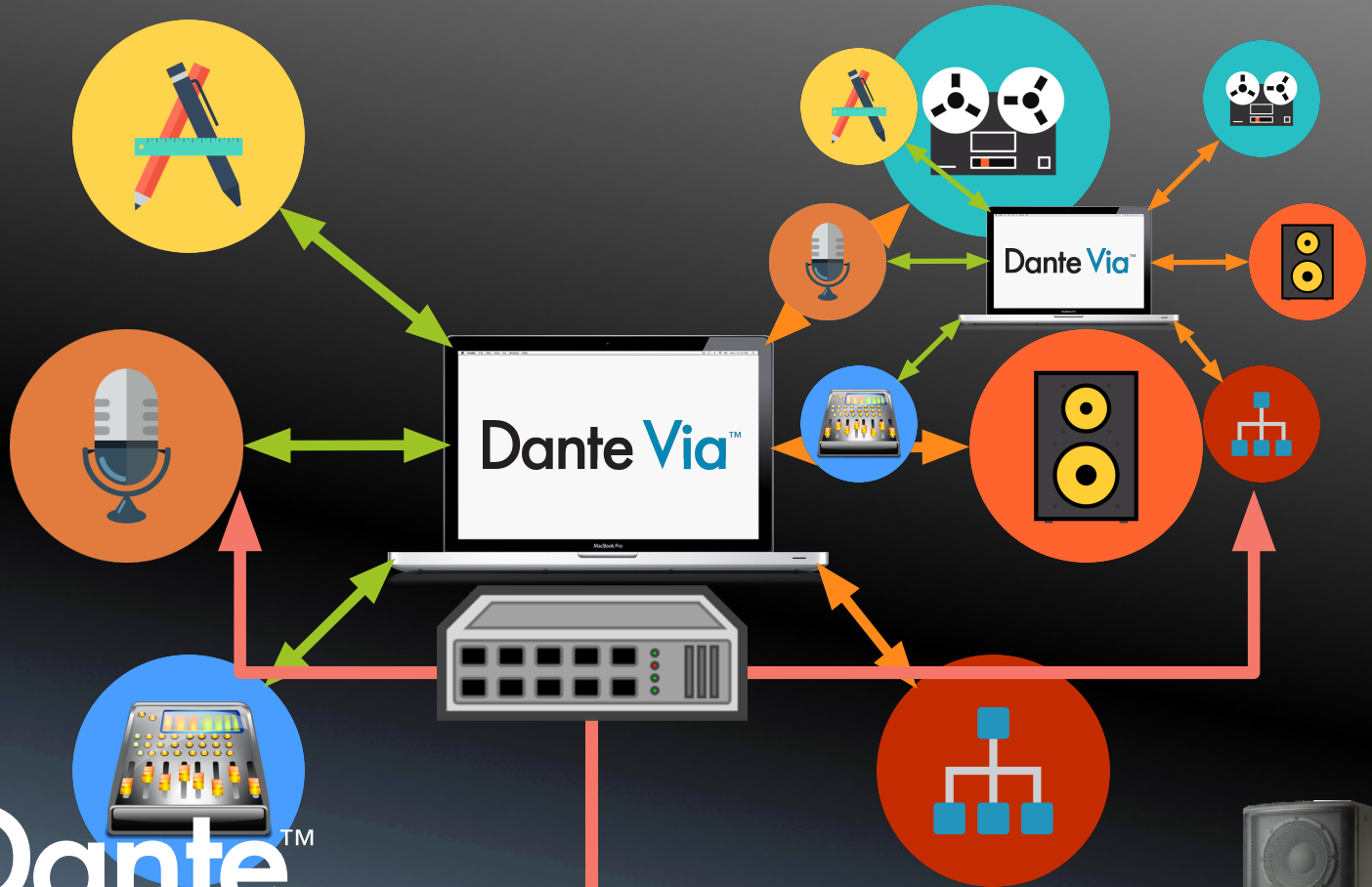
# Dante **Via**<sup>TM</sup>

Networks, merges and routes  
all of your computer's audio  
applications and hardware





 **Dante**<sup>TM</sup>



# Dante Via™

Create a Dante audio network  
using only computers

# Dante Via™

Connect your USB and Firewire  
audio interfaces to a  
Dante network

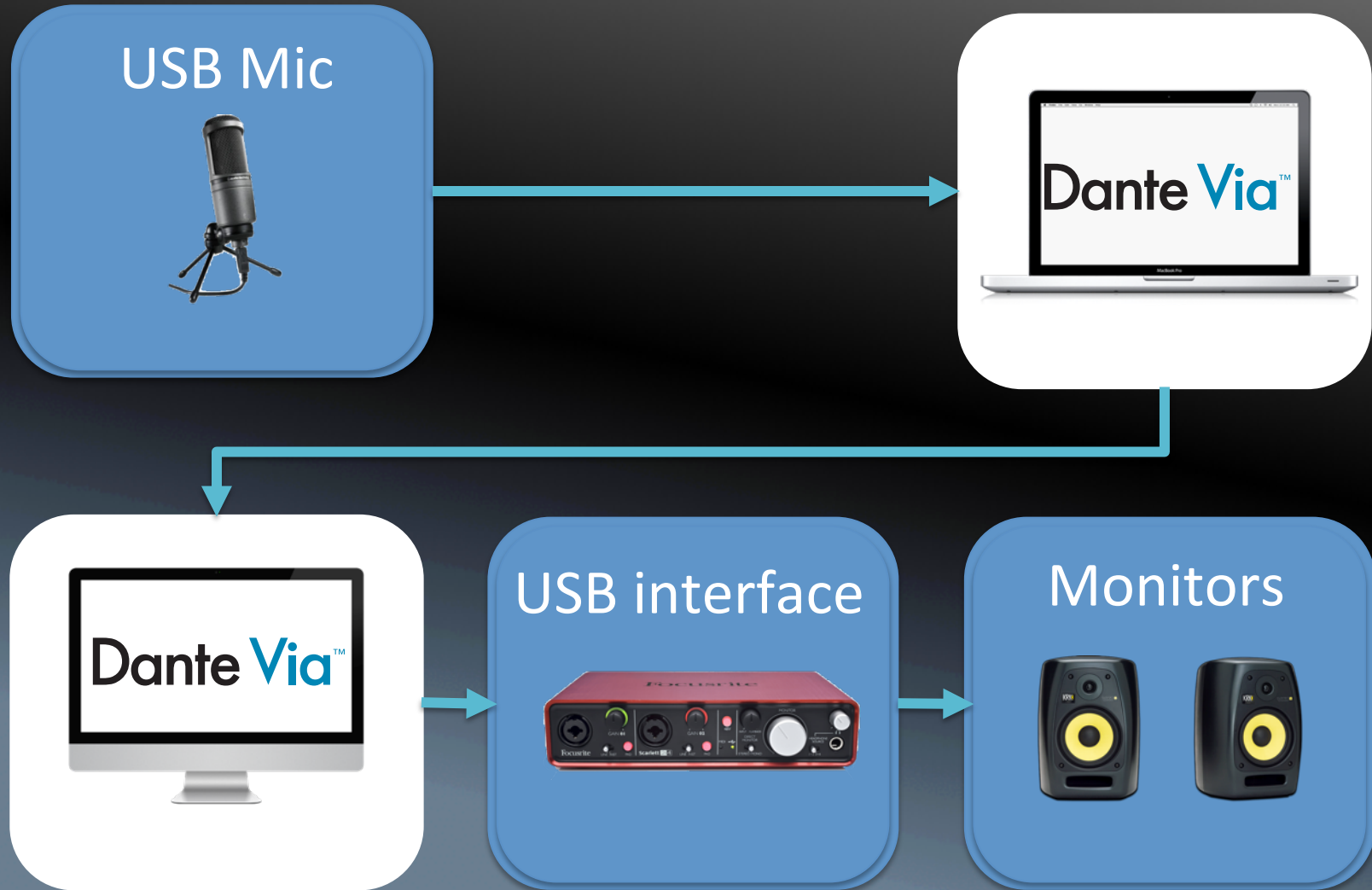
# Dante **Via**<sup>TM</sup>

Extend your computer's  
microphones and speakers  
across a Dante network

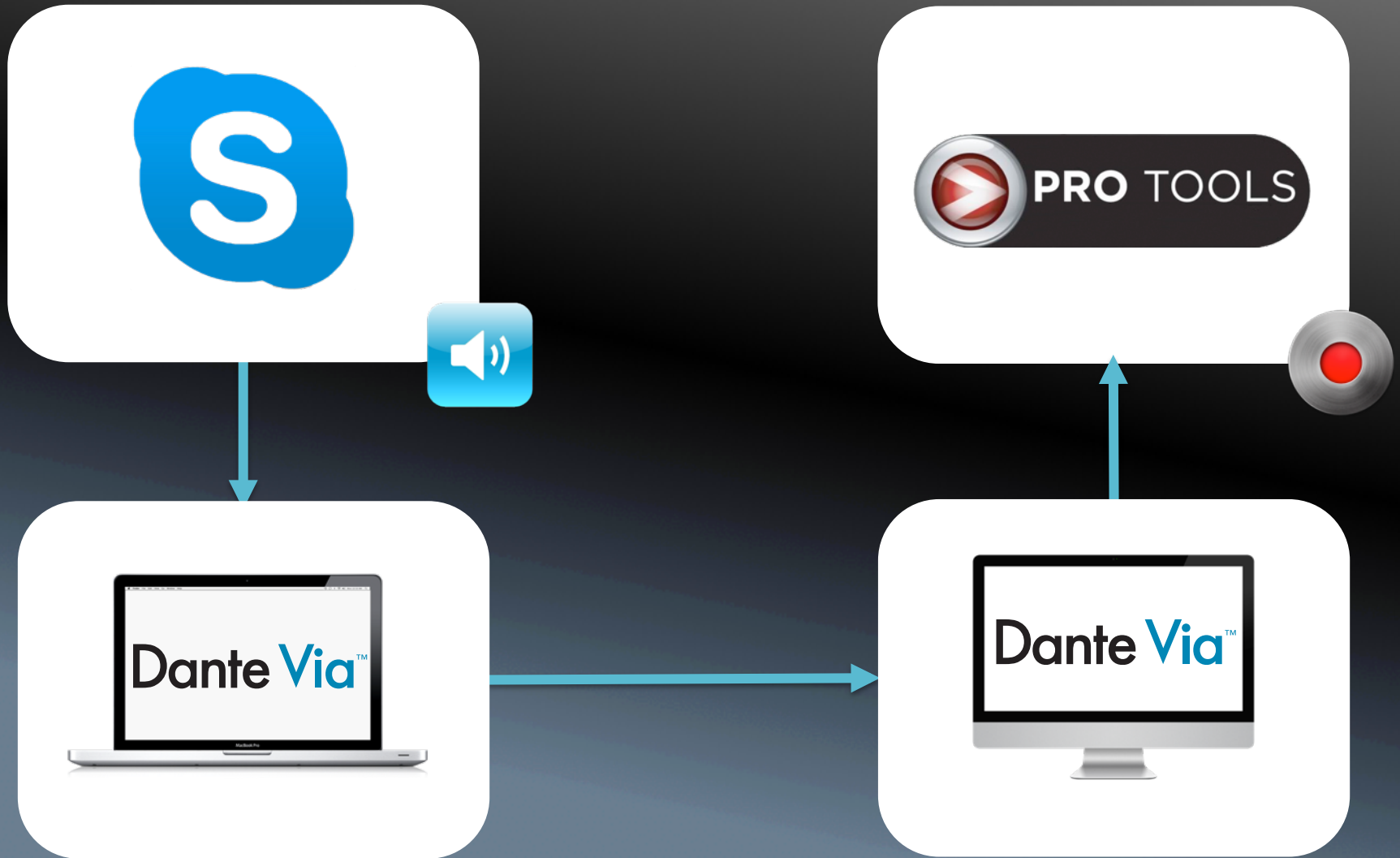
# Dante **Via**<sup>TM</sup>

Bridge your audio-capable  
applications directly to Dante

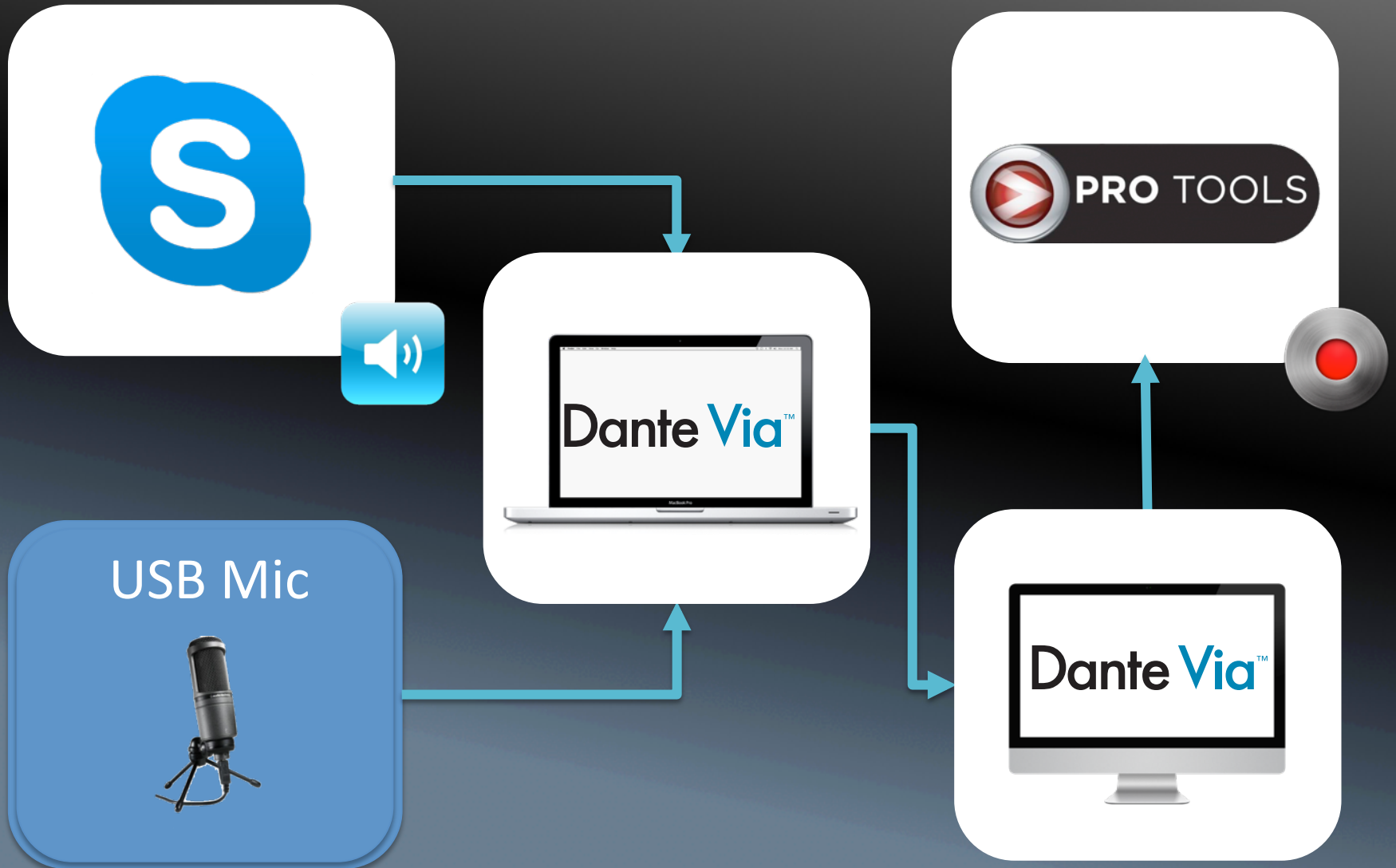
# Extend your audio



# Network audio applications

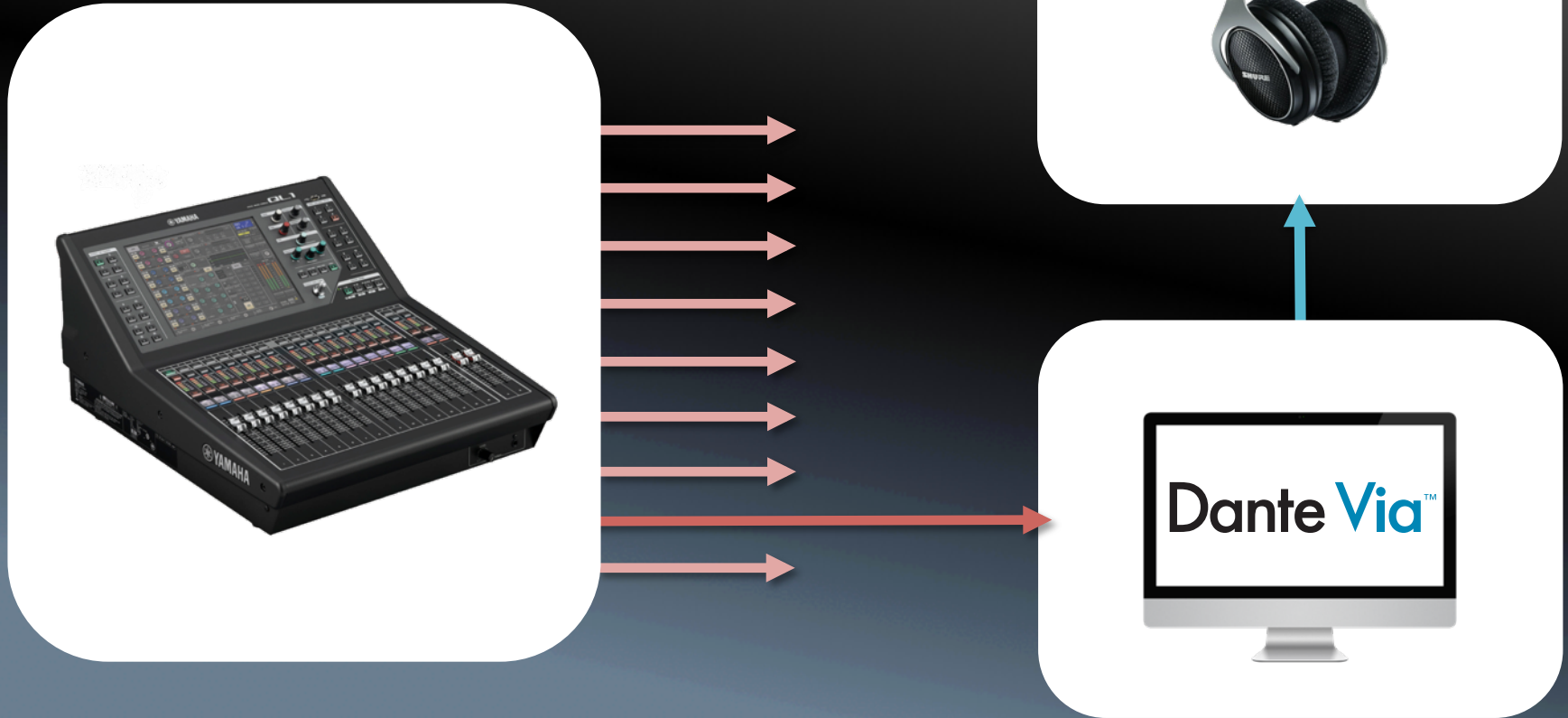


# Merge devices and applications





# Monitor Dante Channels



Connect Everything

Dante Via™

A hand with a white sensor on the index finger pointing upwards, set against a background of blue, glowing, rounded square shapes.



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# 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

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# In Development

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

# Wrapup

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





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# Questions?

# Dante Via™

## Hall 7, Booth W190

## Live demos hourly

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