STAGENET

IP made simple

stagenet

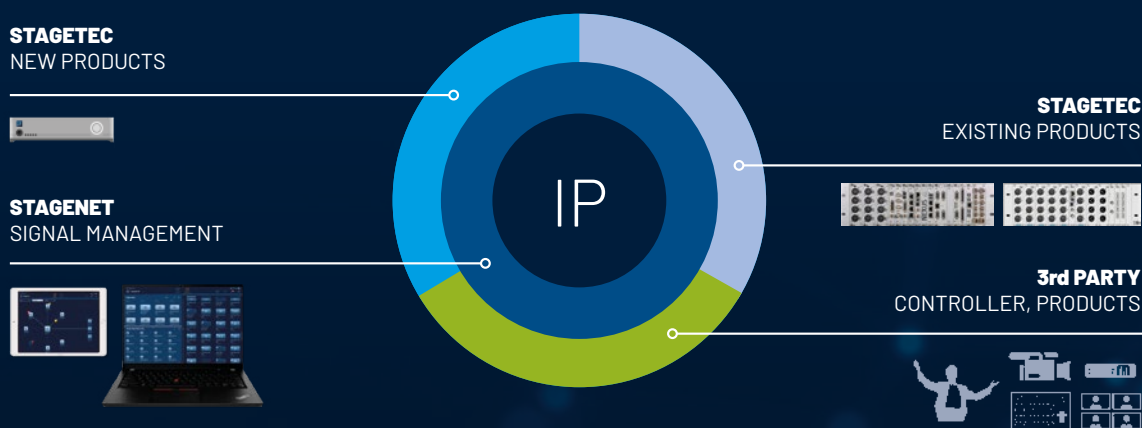ARISTA   MERGING AUDIO FOR THE NETWORKING AGE   matrox   simplexity   STAGETEC

IP networks are often very complicated to use.
The solution of this problem cannot be found by discussing
control protocols, but by focussing on the necessary simplifications of the
user interface. Sharing this conviction, five companies have joined forces and
developed a control software that puts the user in the center and deliberately
puts the discussion about technical aspects to the back.
STAGENET promises to make AV networks intuitive and reliable
to work with, while always maintaining setup flexibility.

STAGETEC
NEW PRODUCTS

STAGENET
SIGNAL MANAGEMENT

IP

STAGETEC
EXISTING PRODUCTS

3rd PARTY
CONTROLLER, PRODUCTS

STAGENET uses standards wherever possible to avoid device specific
development unless it's absolutely needed. The first underlaying supported
standards are NMOS, AES67/SMPTE2110/IPMX.
But STAGENET does not want to hold still and wait until standards are
refined enough. The user comes first and deserves an experience
similar to modern devices like smart phones and
modern web pages like e-commerce stores.

stagenet

IP made simple

STAGENET
The concept

The challenges

IT networks were not originally designed to transmit low-latency Audio/Video signals.

Today, due to necessary manual configuration, they often become inflexible and are hard to adapt to unforeseen situations. After all, AV engineers are typically not IT experts. Given all these circumstances, Audio/Video-over-IP can easily become a costly exercise, bottom line even more expensive than traditional baseband technologies.

The vision

To shape todays industry, STAGENET's vision is to provide:

Cost reduction – in setup, training and operation

- AV engineers can operate STAGENET with no expert IT knowledge required.
- Network expertise is built into the software
- Intuitive User Interface: Short learning curve, even for non-experts. Leverage user experience from common modern websites

Flexibility

- In multi-purpose infrastructure with a need for frequent changes of the setup: Network and devices get configured automatically
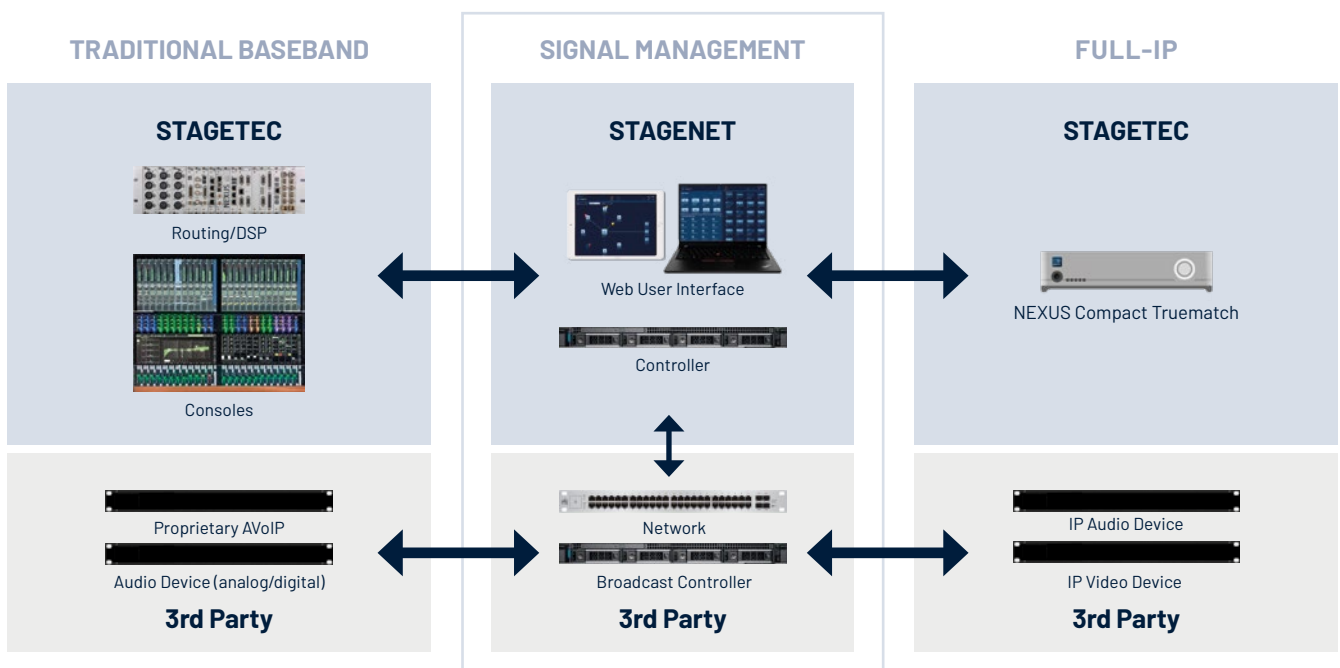
Reliability

- Easy fault finding: Device status is constantly monitored
- Therefore: Raises confidence in AV over IP technology

The technology

STAGENET is a plug'n play, fully dynamic system with no need for expert knowledge. It provides total control and surveillance of both audio and video whilst still based on today's AV-over-IP standards: AES67, SMPTE ST 2110, NMOS and more.

Besides taking control of all IP related topics, it also includes control of related baseband functions such as AV matrix setup.

TRADITIONAL BASEBAND	SIGNAL MANAGEMENT	FULL-IP
STAGETEC	**STAGENET**	**STAGETEC**
Routing/DSP	Web User Interface	NEXUS Compact Truematch
Consoles	Controller	
Proprietary AVoIP	Network	IP Audio Device
Audio Device (analog/digital)	Broadcast Controller	IP Video Device
3rd Party	**3rd Party**	**3rd Party**

STAGENET
Some key features

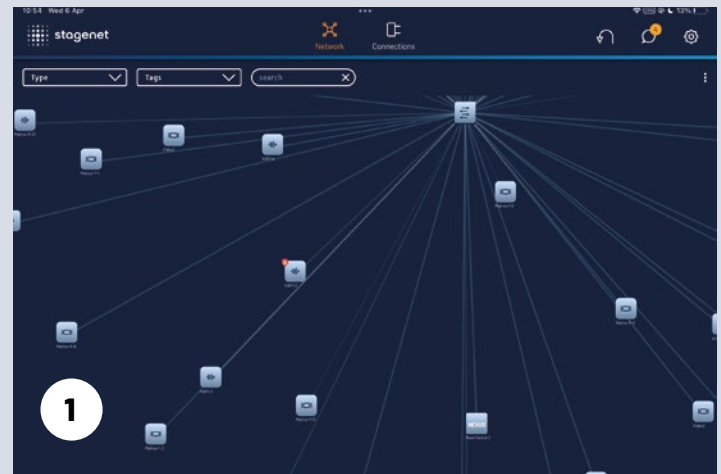### Plug'n play, fully dynamic –
No experts needed

Any of the partner-supported devices can be connected anywhere in the system and will automatically pop-up on the STAGENET Web-UI. The user will be notified that one or more devices want access to participate in the setup and is placed into quarantine. In quarantine, the device does not have access to any signals on STAGENET. But once a device is approved, STAGENET automatically configures the IT switch and the device is ready for use.

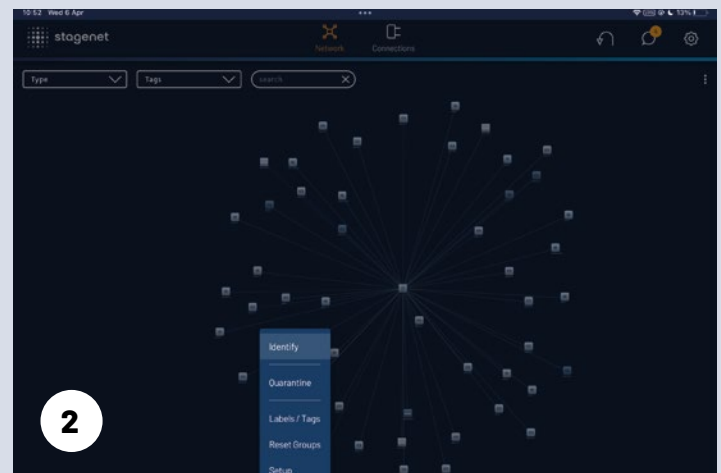### Full control with virtual senders
and receivers

To make life easy, instead of using conventional cross-point routing, STAGENET uses virtual senders and receivers to group selected audio or video baseband inputs/outputs together and connect them with a touch of a finger. Such virtual senders and receivers can easily be created by dragging desired IOs onto the respective group icon. Then STAGENET will handle everything needed for the signal to pass all the way from baseband input to the baseband output.
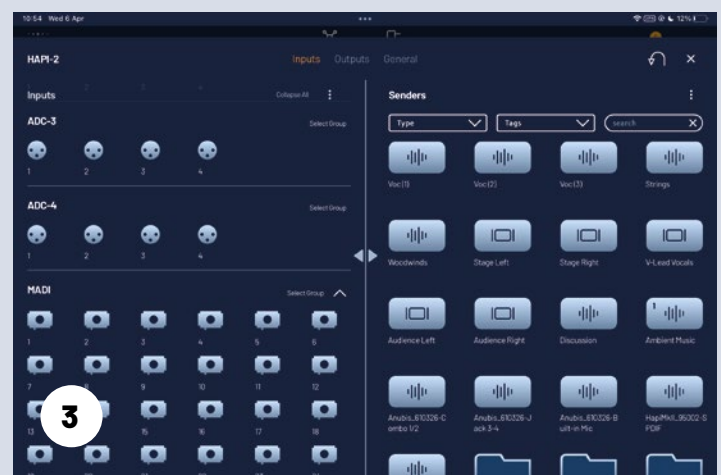
A modern UI – for everyday AV engineers

The primary STAGENET interface is the connections view. This page allows users edit labels und assigning user defined tags as well as putting virtual senders and receivers into common folders, even if they span multiple devices or are a mix of video and audio sources. Tags allows users to search for signals and endpoints in a fast way and folders allow connection of multiple contextual sources to their destinations at once. STAGENET aims to change the setup of audio and video devices into a content-focused operation as opposed to a device-oriented one.

Devices area automatically detected, put into quarantine and awaiting your approval.
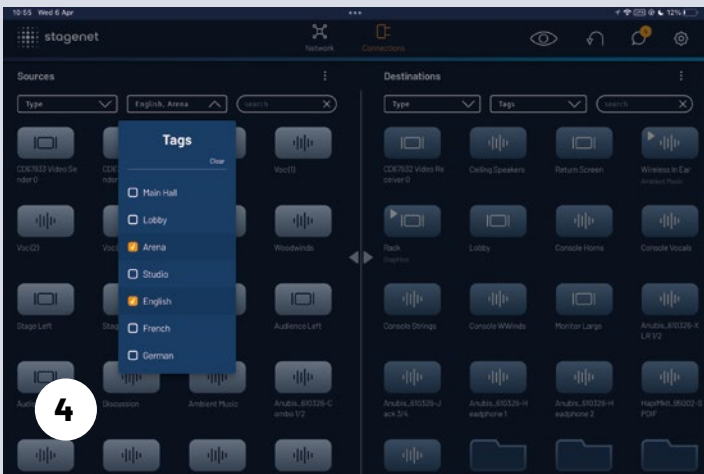

You can then easily approve your device to your system by a click of a button.
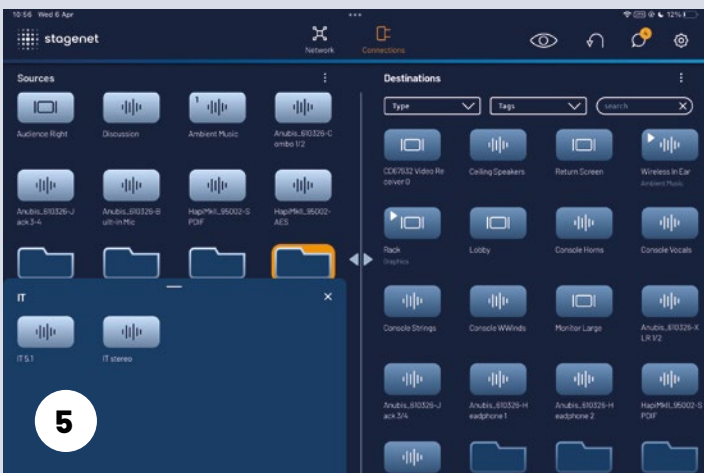

Within device setup, you can inspect all its baseband IOs and begin creating IO groups, called virtual senders and receivers
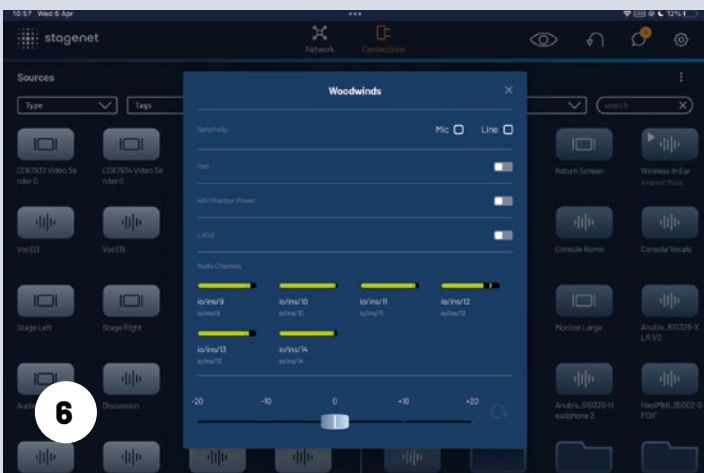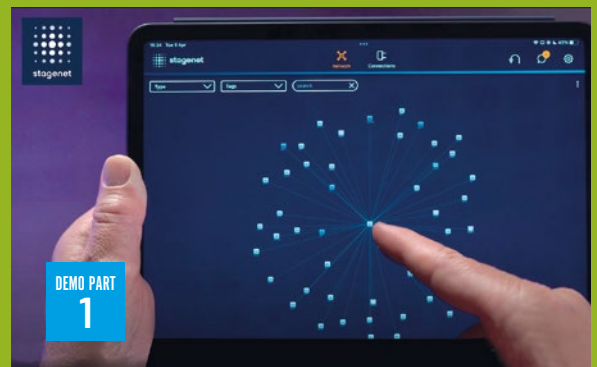
4

After assigning tags and creating meaningful labels, later quickly navigate through devices and focus on workflow.

5

Easily organize your virtual senders or receivers into folders to refine your organization and allow connecting multiple groups at once. For instance, connect video and all its audio signals with one touch of a finger.

6

In your devices control setting, view and change the most important IO settings of your device, e.g. microphone preamplifier of an analog audio input.

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DEMO PART 1

System overview

Exploring STAGENET, its GUI and its capabilities by the example of a typical setup

DEMO PART 2

Setup and operation

Take the necessary steps all the way from adding a new device to making your first connections

DEMO PART 3

Folder organization and system surveillance

Exploring the flexibility of STAGENET's folder organization and reliability through its system surveillance

For more information,
please contact us for an appointment

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AUDIO/VIDEO OVER IP

simple · reliable · flexible

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