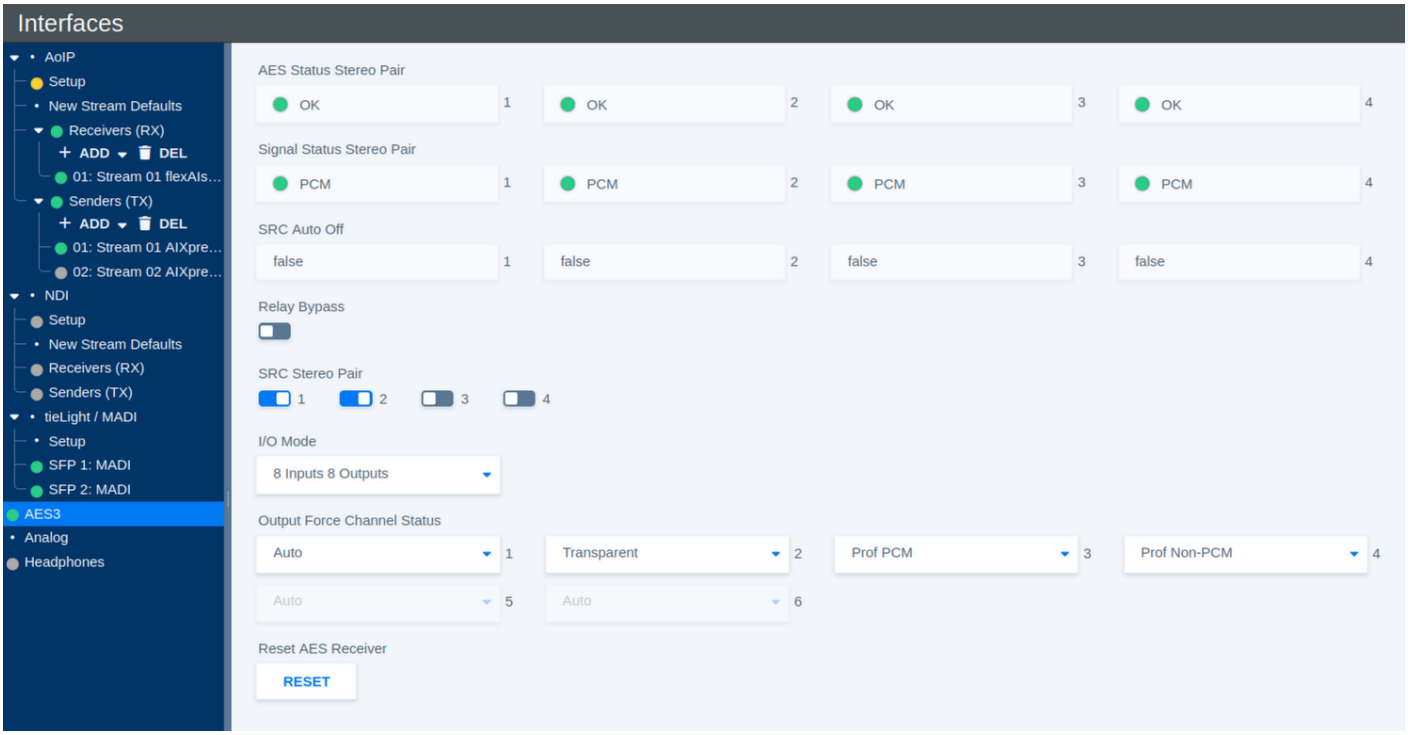
AES3

The **AES3** page provides configuration and status information for the system's AES3 inputs and outputs. **AES3**, also commonly referred to as **AES/EBU**, is a professional digital audio interface standard for transmitting two channels of audio together with related channel status information.

The interface is organized in stereo pairs. Depending on the selected I/O mode, the available AES3 connections are configured either as **8 Inputs / 8 Outputs** or **4 Inputs / 12 Outputs**.



Input Status

The input status indicators provide information about the AES3 signal detected on each stereo pair.

Parameter	Values	Default	Description
AES Status Stereo Pair	Status	-	Shows whether a valid AES3 signal is detected for each input stereo pair.
Signal Status Stereo Pair	Status	-	Shows the detected signal type for each stereo pair, for example **PCM**.

Parameter	Values	Default	Description
SRC Auto Off	Status	-	Shows whether the Sample Rate Converter (SRC) has been automatically disabled for the corresponding stereo pair.

Sample Rate Conversion

Sample Rate Conversion can be enabled individually for each AES3 input stereo pair.

Parameter	Values	Default	Description
SRC Stereo Pair 1–4	On / Off	-	Enables or disables Sample Rate Conversion for the corresponding AES3 input stereo pair. SRC allows incoming AES3 signals with a different or asynchronous sample rate to be converted to the system sample rate.

Relay Bypass

Parameter	Values	Default	Description
Relay Bypass	On / Off	-	Activates the AES3 relay bypass path, allowing the corresponding AES3 signal path to bypass normal processing where supported by the hardware.

I/O Mode

The available AES3 connections can be distributed between inputs and outputs in two ways.

Parameter	Values	Default	Description
I/O Mode	8 Inputs 8 Outputs / 4 Inputs 12 Outputs	-	Selects how the available AES3 interfaces are allocated between inputs and outputs.

Output Channel Status

AES3 carries additional **Channel Status** information alongside the audio data. The **Output Force Channel Status** settings define how this information is generated for each AES3 output stereo pair.

Parameter	Values	Default	Description
Output Force Channel Status	Auto / Transparent / Prof PCM / Prof Non-PCM / Consumer PCM / Consumer Non-PCM	-	Defines the AES3 Channel Status information transmitted with the corresponding output stereo pair.

The available modes are:

Mode	Description
Auto	Automatically generates channel status information appropriate for the transmitted signal.
Transparent	Passes the available incoming channel status information through to the output without intentionally changing its format.
Prof PCM	Forces professional AES3 channel status and identifies the signal as linear PCM audio.
Prof Non-PCM	Forces professional AES3 channel status and identifies the signal as non-PCM data.
Consumer PCM	Forces consumer-format channel status and identifies the signal as linear PCM audio.
Consumer Non-PCM	Forces consumer-format channel status and identifies the signal as non-PCM data.

The **Non-PCM** modes are intended for signals carrying encoded or other non-linear audio data rather than conventional PCM samples.

Reset AES Receiver

In case an AES3 receiver does not lock correctly to an incoming signal, the corresponding receiver status may remain red.

Parameter	Values	Default	Description
Reset AES Receiver	Button	-	Resets the AES3 receiver state. If an input does not lock correctly and its status remains red, click **Reset** to re-establish synchronization with the incoming signal.

> Depending on the hardware platform, the **Reset AES Receiver** button may not be available. On these systems, receiver recovery is monitored and handled automatically.

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