## 1722.1 Use Cases

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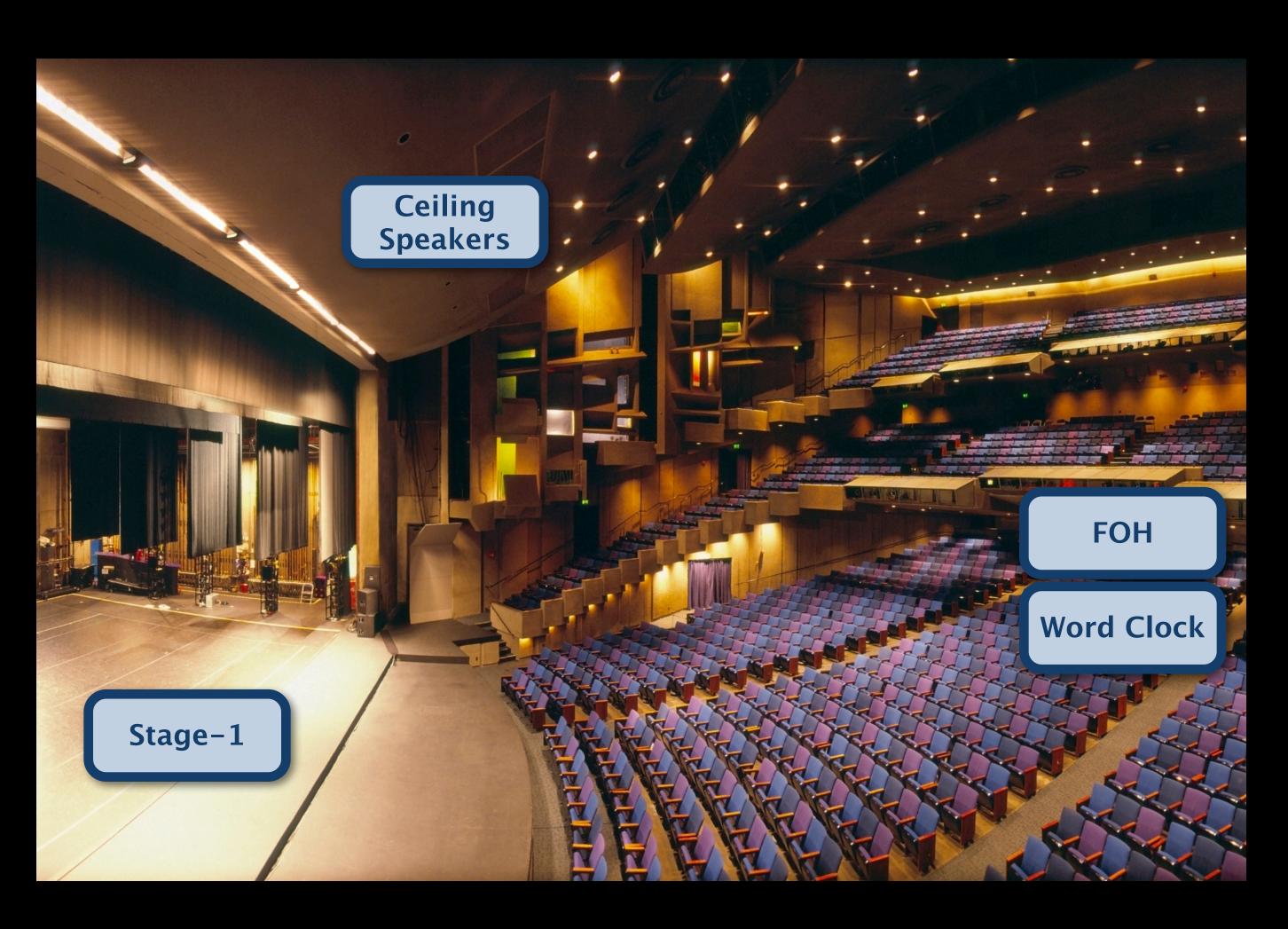
## Simple Use Case: Theatrical Venue



### Components:

- 24 microphones on stage
- 24 speakers overhead
- Front-of-house mixer
- System word clock

### AVB Endpoint Locations



### AVB Components:

- "Stage-1": 3 x 8-channel stream sources
- "Ceiling Speakers": 3 x 8-channel stream sinks
- "Front Of House Mixer":
- System word clock

### AVB Network View

#### "Stage-1"

8-ch src: "Guitars & Keys" 8-ch src: "Drum Mics" 8-ch src: "Vocals"

1 ch snk: "Clock"

#### "Front of House Mixer"

X-ch snk: "A"
 X-ch src: "A"
 X-ch src: "B"
 X-ch src: "C"
 : :
 X-ch src: "C"
 : :
 X-ch src: "AD"
 X-ch src: "AD"
 X-ch src: "AE"
 X-ch src: "AF
 1 ch snk: "Clock"

#### "Word Clock Receiver"

1-ch src: "Word Clock"

#### "Ceiling Speakers"

8-ch snk: "Line Array Left"

8-ch snk: "Center"

8-ch snk: "Line Array Right"

### "Stage-1"

8-ch src: "Guitars & Keys"

8-ch src: "Drum Mics"

8-ch src: "Vocals"

"Stage-1"

8-ch src: "Guitars & Keys"

8-ch src: "Drum Mics"

8-ch src: "Vocals"

1 ch snk: "Clock"

System Controller

Device Response

#### "Stage-1"

8-ch src: "Guitars & Keys"

8-ch src: "Drum Mics"

8-ch src: "Vocals"

System Controller	Device Response
/device/name	/device/name ,s "Stage-1"

### "Stage-1"

8-ch src: "Guitars & Keys"

8-ch src: "Drum Mics"

8-ch src: "Vocals"

System Controller	Device Response
/device/name	/device/name ,s "Stage-1"
/avb/sources	/avb/sources ,i 3

### "Stage-1"

8-ch src: "Guitars & Keys"

8-ch src: "Drum Mics"

8-ch src: "Vocals"

System Controller	Device Response
/device/name	/device/name ,s "Stage-1"
/avb/sources	/avb/sources ,i 3
/avb/source/channels	/avb/source/channels,ii 0 8 /avb/source/channels,ii 1 8 /avb/source/channels,ii 2 8

### "Stage-1"

8-ch src: "Guitars & Keys"

8-ch src: "Drum Mics"

8-ch src: "Vocals"

### "Stage-1"

8-ch src: "Guitars & Keys"

8-ch src: "Drum Mics"

8-ch src: "Vocals"

1 ch snk: "Clock"

System Controller

Device Response

### "Stage-1"

8-ch src: "Guitars & Keys"

8-ch src: "Drum Mics"

8-ch src: "Vocals"

System Controller	Device Response
/avb/source/name ,i 2 "Vocals"	/avb/source/name ,is 2 "Vocals"

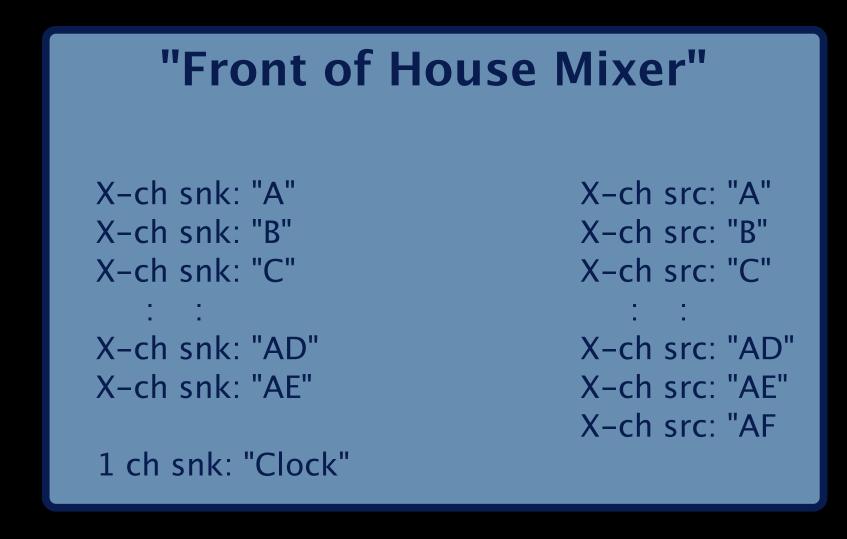
### "Stage-1"

8-ch src: "Guitars & Keys"

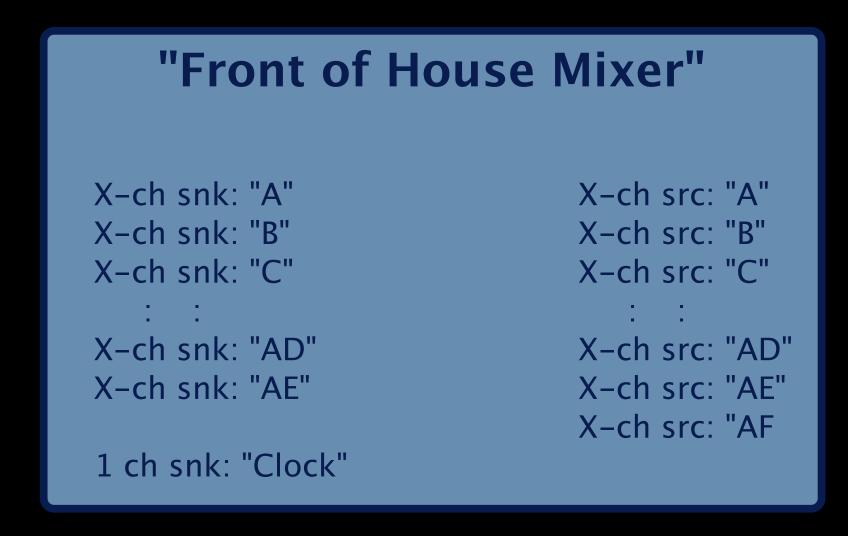
8-ch src: "Drum Mics"

8-ch src: "Vocals"

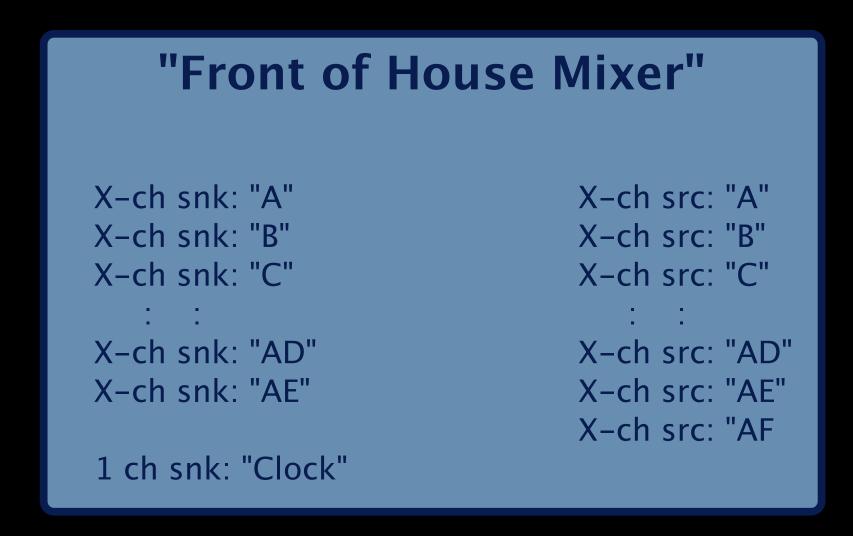
System Controller	Device Response
/avb/source/name ,i 2 "Vocals"	/avb/source/name ,is 2 "Vocals"
/avb/source/sync ,is 0 "Word Clock"	/avb/source/sync ,is 0 "Word Clock"



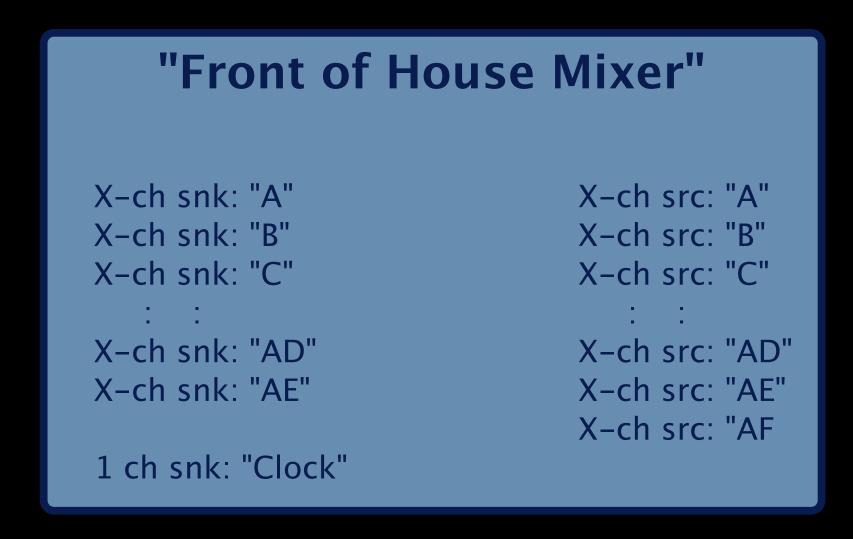
System Controller Device Response



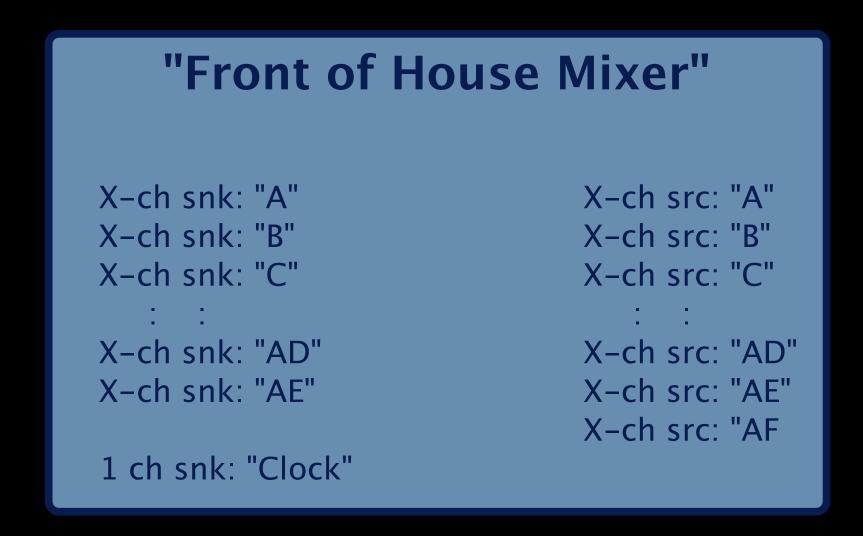
System Controller	Device Response
/device/name	/device/name ,s "Front of House Mixer"



System Controller	Device Response
/device/name	/device/name ,s "Front of House Mixer"
/avb/sources	/avb/sources ,i 32

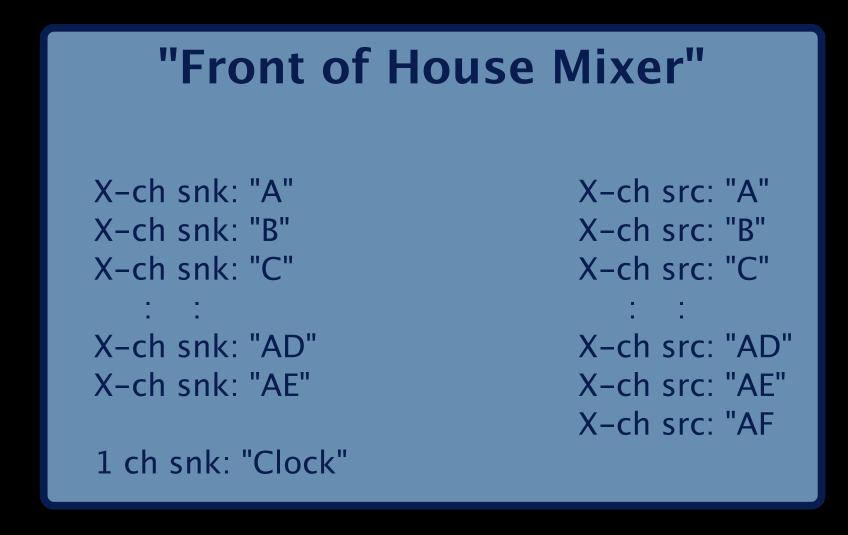


System Controller	Device Response
/device/name	/device/name ,s "Front of House Mixer"
/avb/sources	/avb/sources ,i 32
/avb/sinks	/avb/sinks ,i 32

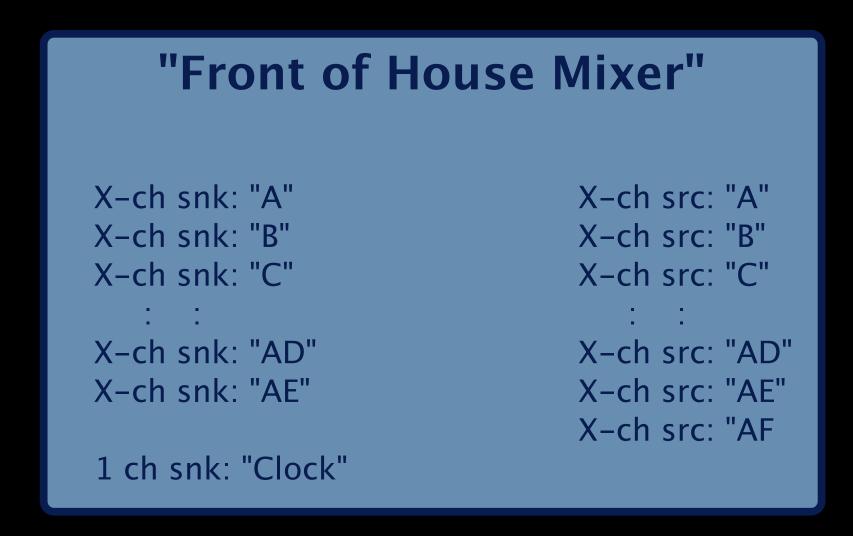


System Controller	Device Response
/device/name	/device/name ,s "Front of House Mixer"
/avb/sources	/avb/sources ,i 32
/avb/sinks	/avb/sinks ,i 32
/avb/source/channels	/avb/source/channels,ii 0 8 /avb/source/channels,ii 1 8 /avb/source/channels,ii 2 8

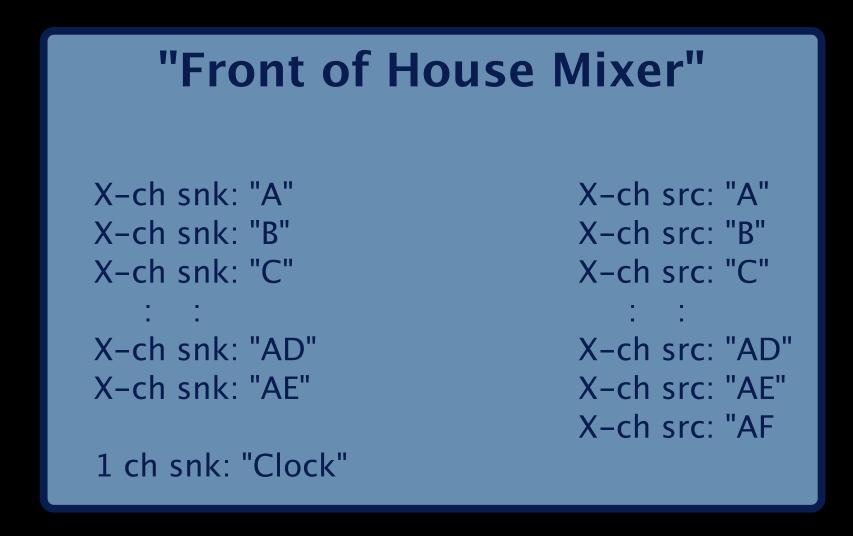
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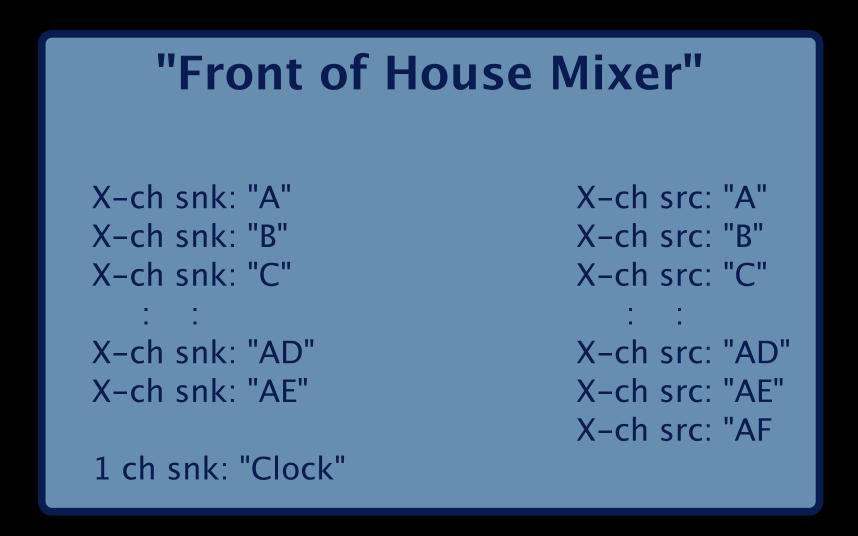
System Controller Device Response



System Controller	Device Response
/avb/sink/name ,is 0 "A"	/avb/sink/name ,is 0 "A"
/avb/sink/name ,is 1 "B"	/avb/sink/name ,is 1 "B"

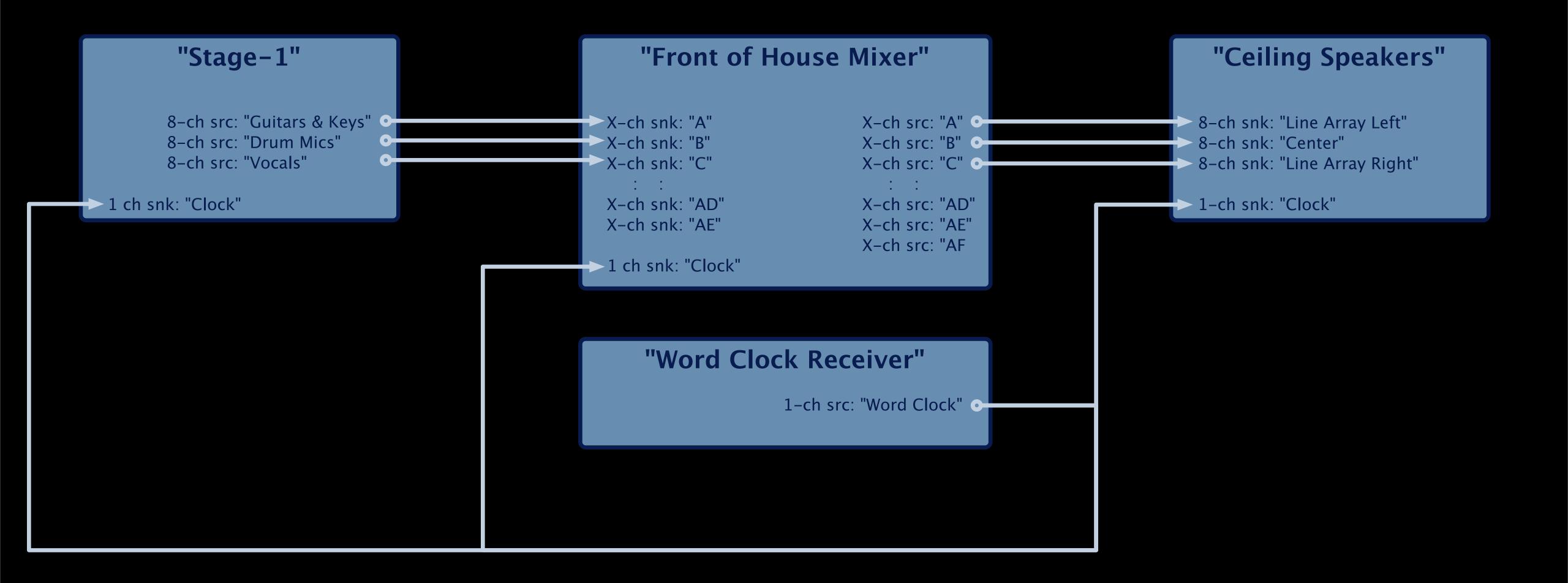


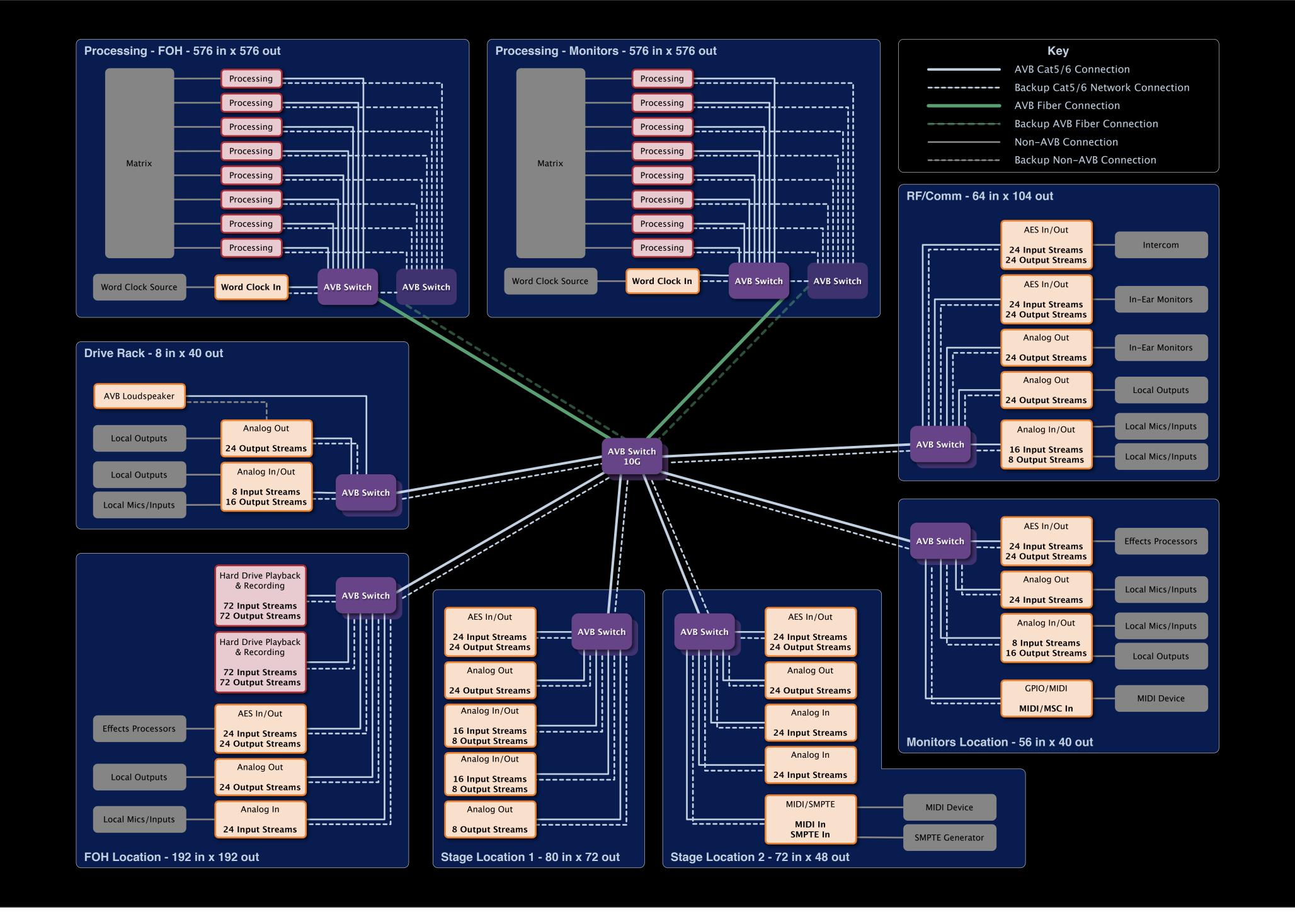
System Controller	Device Response
/avb/sink/name ,is 0 "A" /avb/sink/name ,is 1 "B"	/avb/sink/name ,is 0 "A" /avb/sink/name ,is 1 "B"
/avb/source/sync ,is 0 "Word Clock"	/avb/source/sync ,is 0 "Word Clock"



System Controller	Device Response
/avb/sink/name ,is 0 "A" /avb/sink/name ,is 1 "B"	/avb/sink/name ,is 0 "A" /avb/sink/name ,is 1 "B"
/avb/source/sync ,is 0 "Word Clock"	/avb/source/sync ,is 0 "Word Clock"
/avb/sink/source ,is 2 "Vocals"	/avb/sink/source ,is 2 "Vocals"

### AVB Network View





# Questions...?