MXE SERIES
Focus Applications

HOUSES OF WORSHIP

SPORTS

PERFORMING ARTS & EVENT VENUES

LIVE

DYNACORD
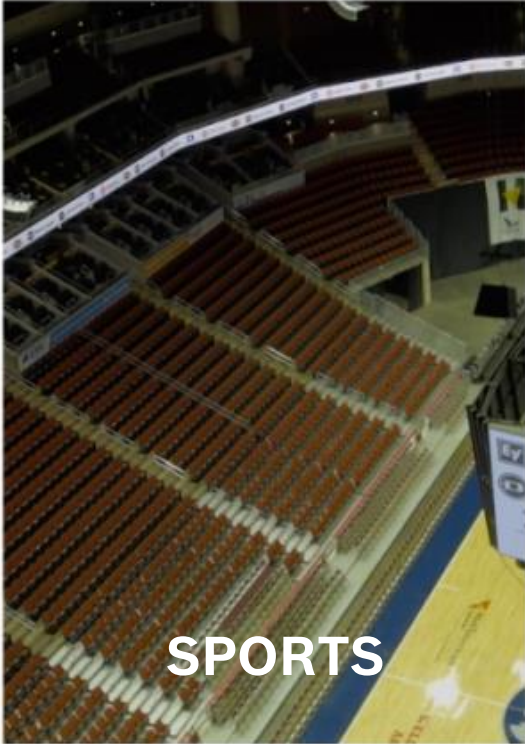
MXE SERIES
MXE5 − Converntion Center & HOW

Seated area   Event Hall   Public areas

—— OMNEO / DANTE   —— Analogue
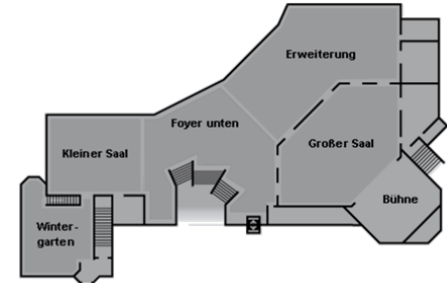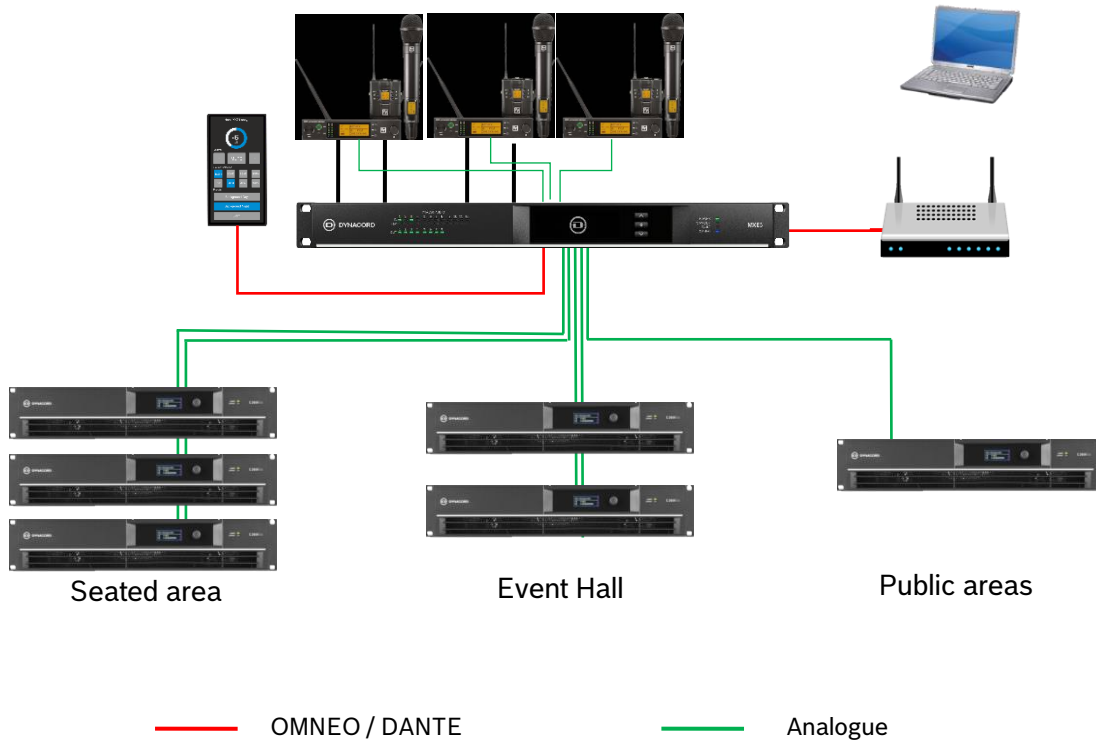
Simple System:

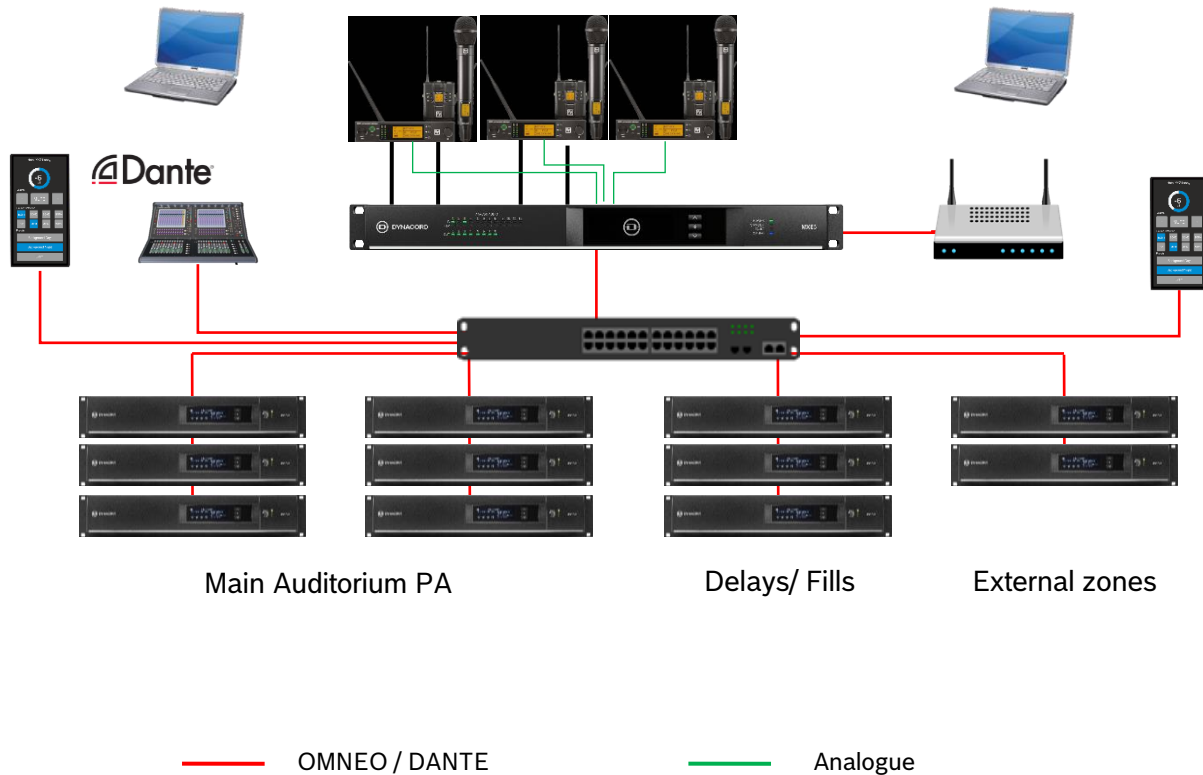▶ MXE5 as audio matrix and input mixer for multiple zones

▶ C series amps with speaker processing and remote Turn on via GPIO

▶ TPC-1 User control for zone level control and preset recall

▶ Wireless PC or tablet can be added for advance mixing control in zone areas

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MXE SERIES
MXE5 – Performing Arts & Show

Front-of-house system:

▶ MXE5 as audio matrix and system manager

▶ IPX amps with full DSP, control to PC via wireless (FOH engineer) or TPC-1 (facility manager in an office or on stage)

▶ System can be run in full 96kHz resolution

▶ MXE5 also provides mixing for external zones completely separately from the main PA

Main Auditorium PA   Delays/ Fills   External zones

——— OMNEO / DANTE   ——— Analogue

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MXE SERIES
MXE5 – Performing Arts & Show

Main Auditorium PA   Delays/ Fills   External zones

Monitors

—— OMNEO / DANTE   —— Analogue

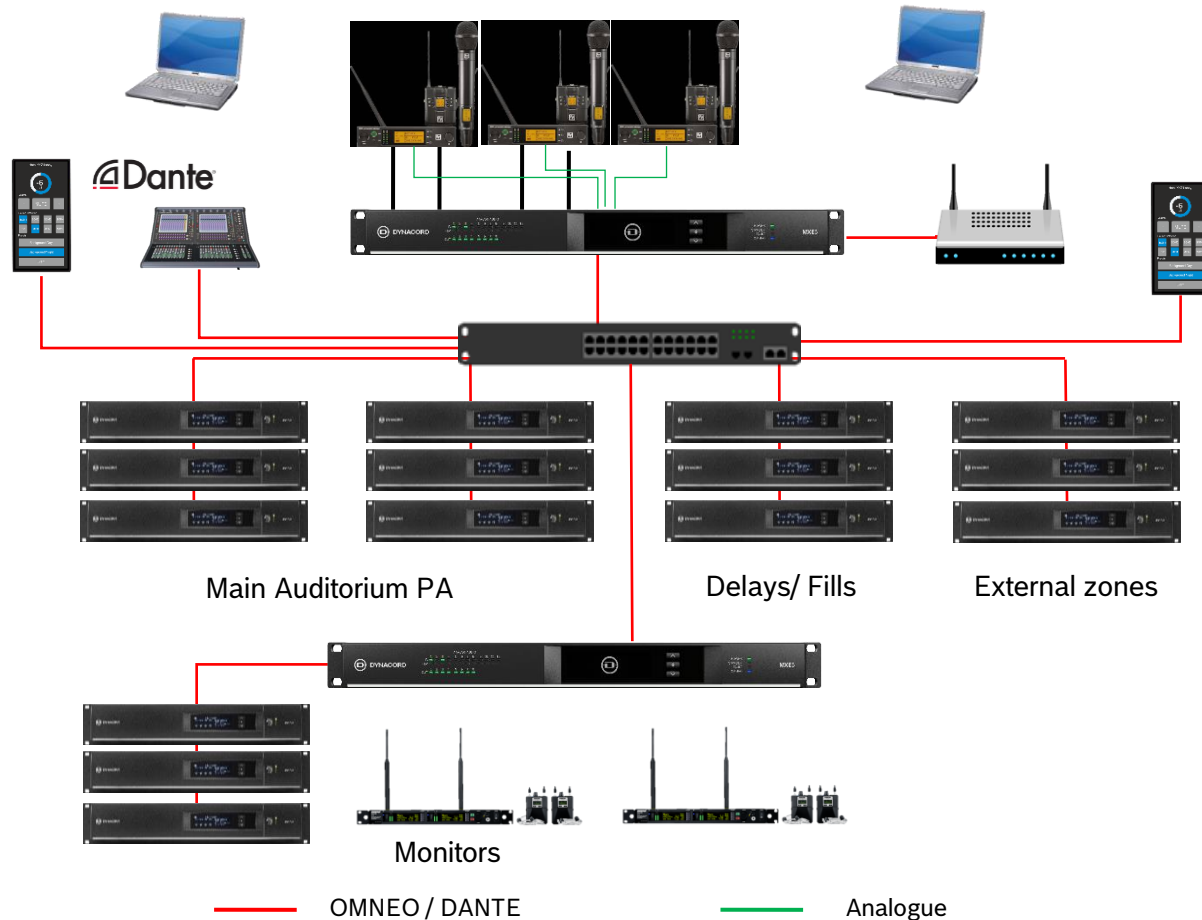**Front-of-house system:**

▶ MXE5 as audio matrix and system manager

▶ IPX amps with full DSP, control to PC via wireless (FOH engineer) or TPC-1 (facility manager in an office or on stage)

▶ System can be run in full 96kHz resolution

▶ MXE5 also provides mixing for external zones completely separately from the main PA

▶ MXE5 can be sent sub mixes from the console so that musicians can create and control their own monitor mixes via TPC-1 or BYOD.

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MXE SERIES
MXE5 – Sports

Back-of-House

Control Room

Main Bowl

— OMNEO / DANTE   — Analogue
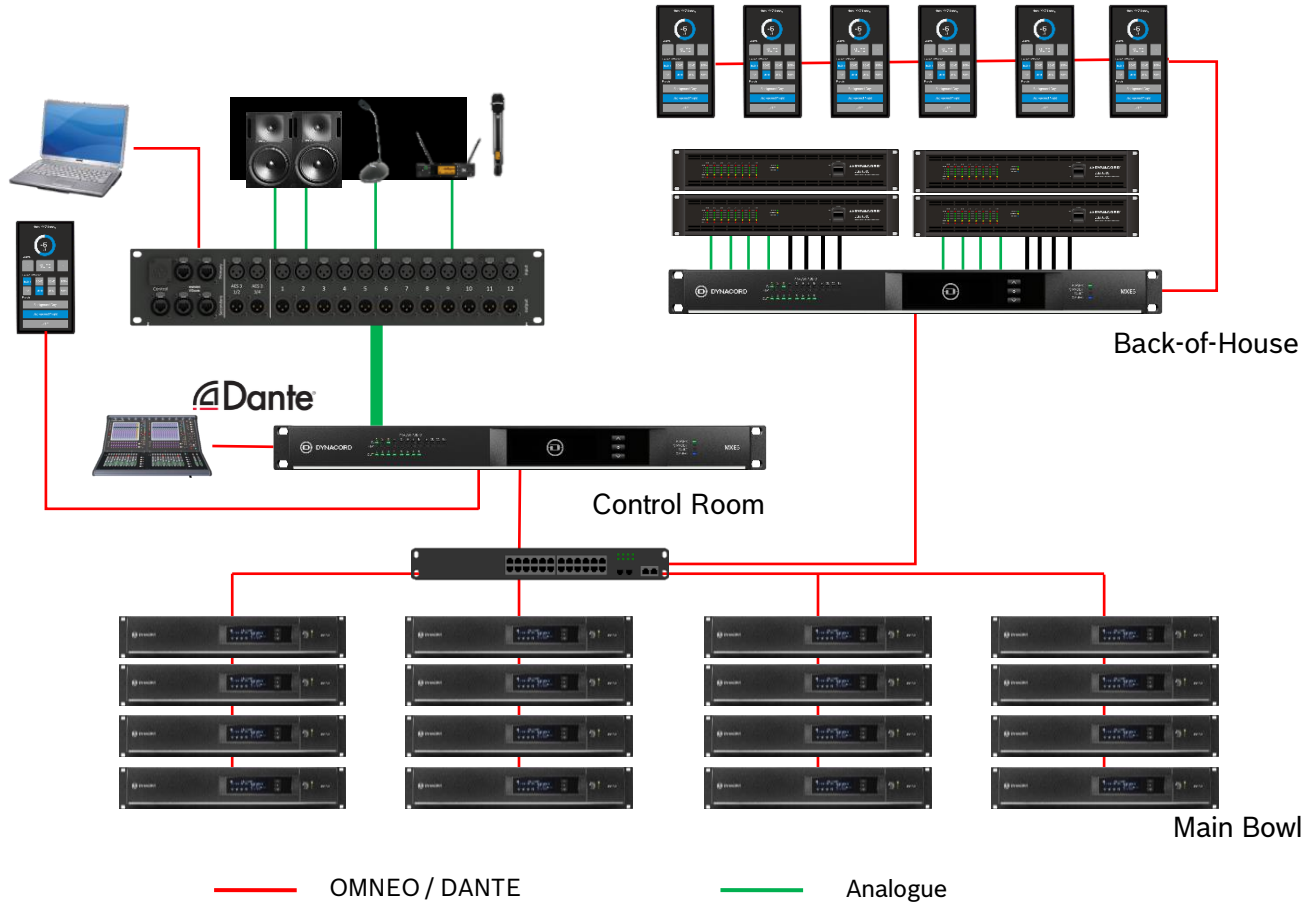
Back-of-house / Corporate boxes system:

*   Hi-Z, non DSP amps (e.g. DSA/CPS)
*   Speaker processing via MXE5
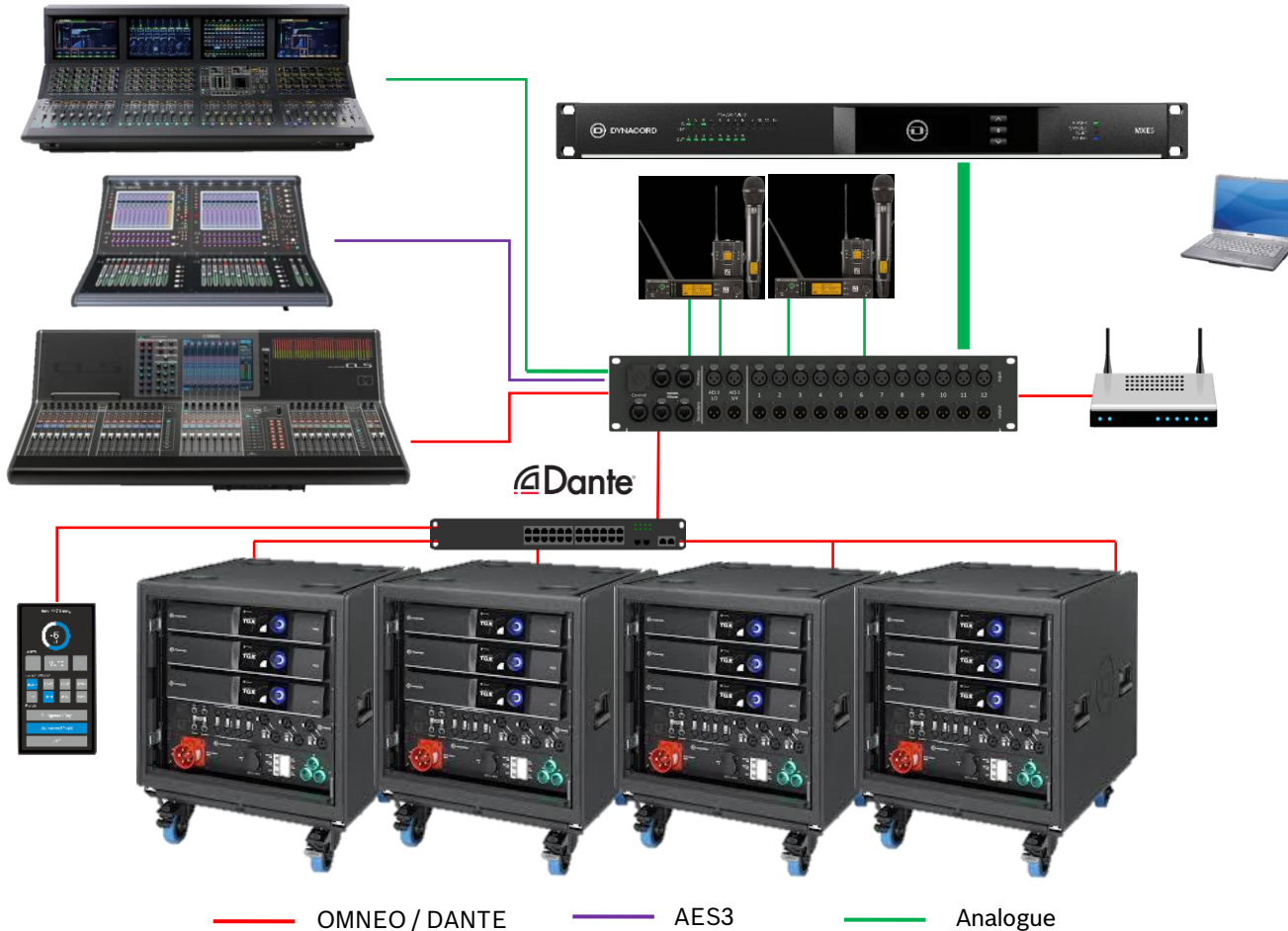*   Zone control via MXE5 and TPC-1

Control room:

*   Local inputs connected via CP-MXE panel
*   PC (event operator) or TPC-1 (facility manager).

Main bowl system:

*   MXE5 as audio matrix and system manager
*   IPX amps and MXE5 delivers full DSP control via SONICUE

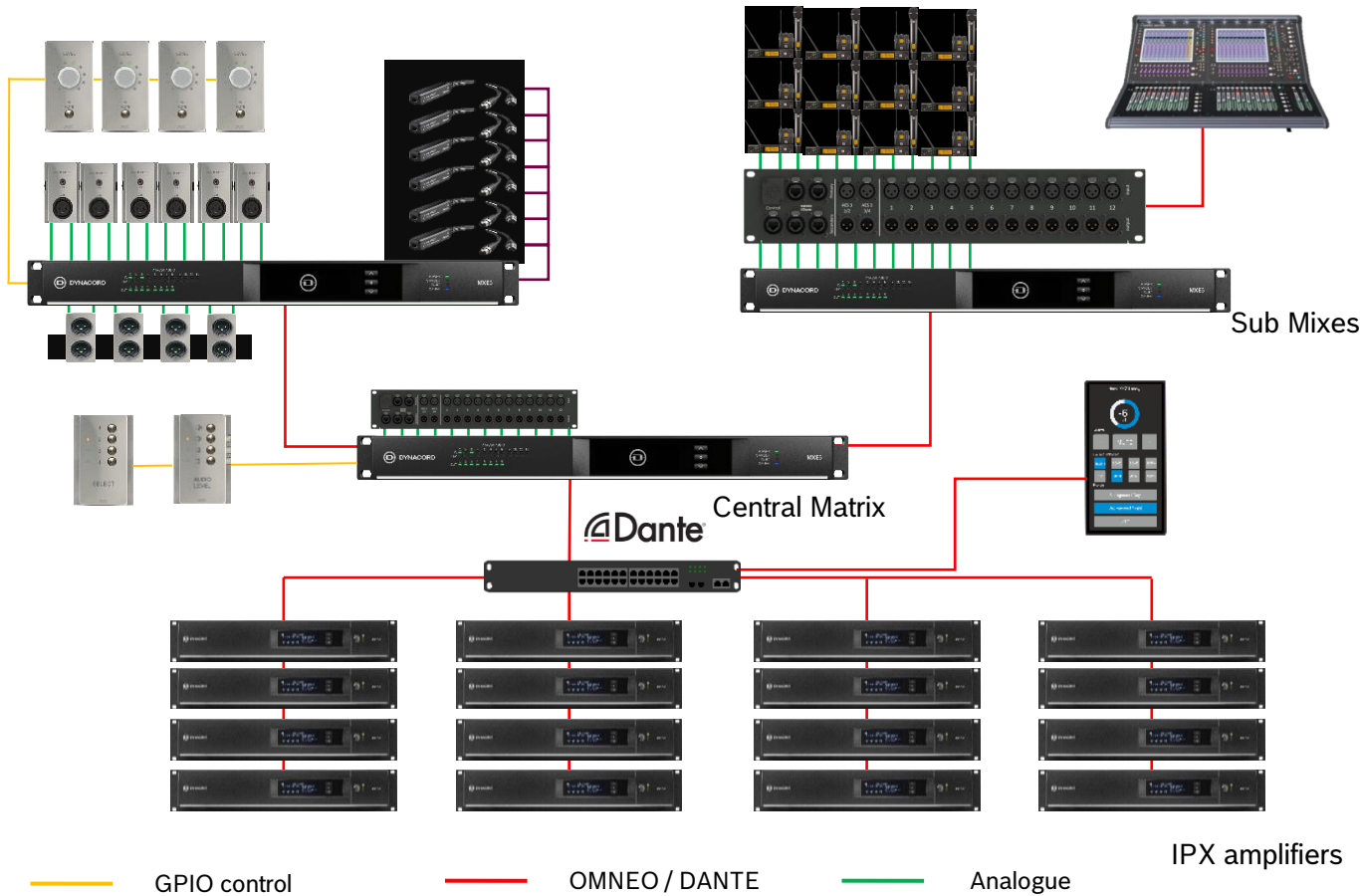DYNACORD

MXE SERIES
MXE5 – Live Production

FOH

- FOH consoles inputs connected via CP-MXE panel
- **MXE5** used as
    - Collecting consoles mixing and switching
    - Analogue and AES to Dante converter
    - System wide manager and controller
    - Local mixer for host act - during console switch
    - System wide 96kHz
- **TPC-1** used as a remote system controller
    - Can still switch consoles and mix inputs from surface
    - Recall presets and be stage end system controller

──── OMNEO / DANTE   ──── AES3   ──── Analogue

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MXE SERIES
MXE5 – Expansion

Sub Mixes

Central Matrix

IPX amplifiers

| GPIO control | OMNEO / DANTE | Analogue |

Expanding the system

- Local MXE5s creates sub mixes in various locations and sends to the central MXE5 via Dante

- Central MXE5 collects and masters the submixes for distribution to 24 Zones via IPX amps

- 3rd party wall plates can be added for local inputs and outputs

- 3rd part volume controls and preset recalls can be connected via GPIO for simple individual zone and input controls

- To increase the system output zones, Sub mix MXE5s can bypass the central MXE5 matrix, to connect with IPX inputs directly

- TPC-1 can control multiple MXE5 devices on the same network – making the entire system feel like a single device for the user control

- System INPUTS: 48 inputs + analogue

- Number of ZONES: Range from 24 zones to 72 zones are possible, depending on the number of direct connections to IPX amps

OMNEO onboard   Dante   OCA   DYNACORD