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Fixed Installation with Stagebox and Multiple Mixing Positions
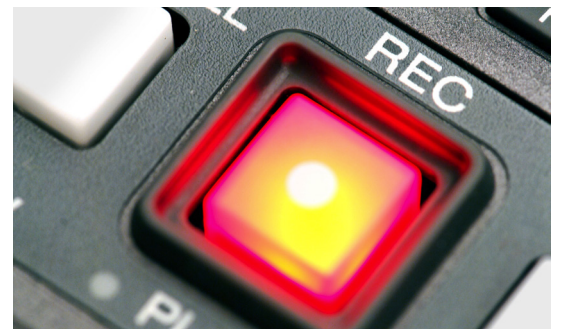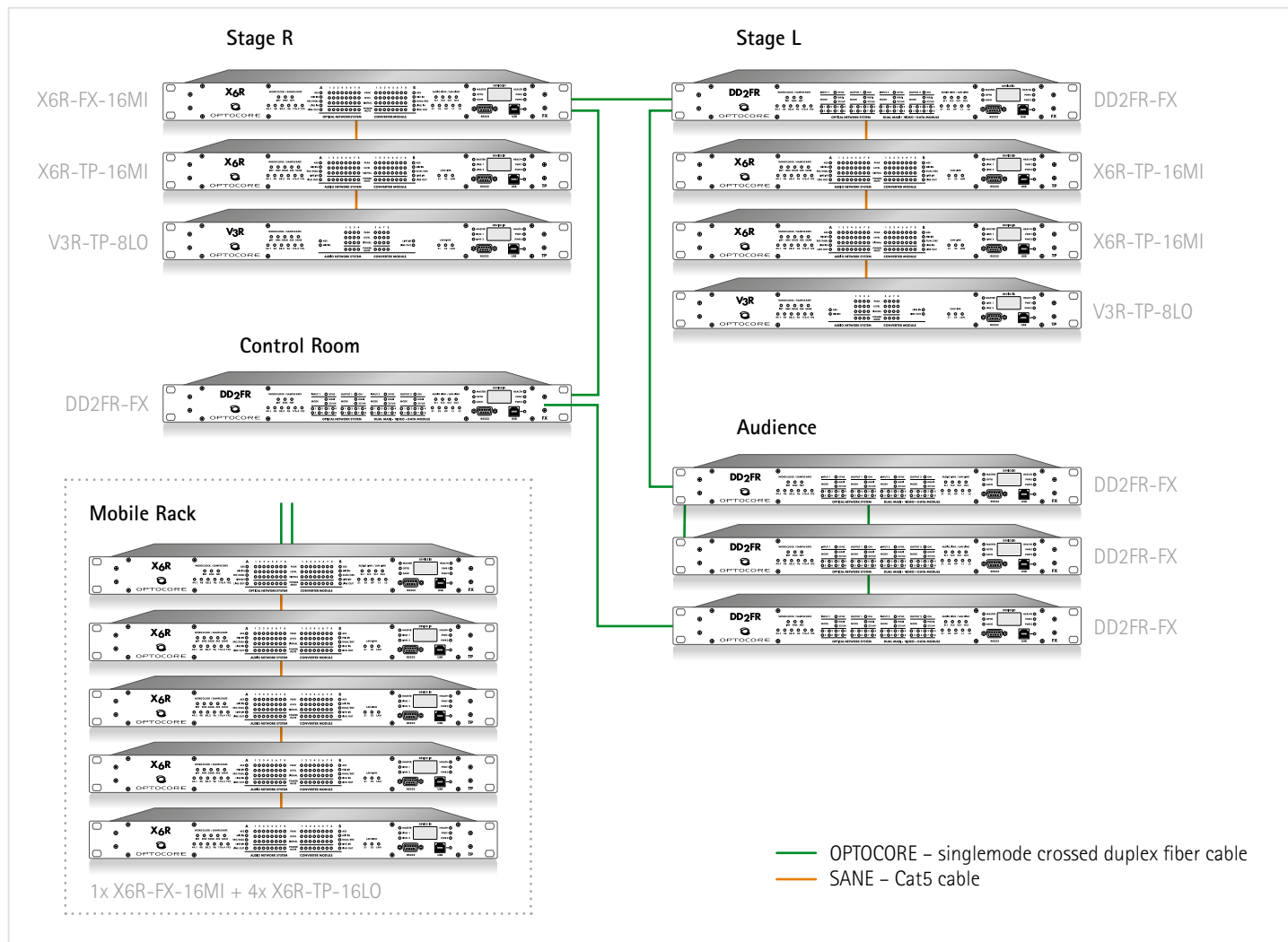
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CHALLENGES:

- Installed system to be used with different digital consoles (console will be rented for each production due to budgetary reasons)

- 5 locations to be connected – Stage, Audience with 3 different mixing positions and Control Room

- Fixed stageboxes on stage left, right and with a possibility to rent stagebox together with a console

- Mobile rack to connect analog console

- LAN to control amplifiers on stage

DETAILED SIGNAL REQUIREMENTS:

- Stage R – 32 Mic Inputs, 8 Line Outputs

- Stage L – MADI to connect rented stagebox, 32 Mic Inputs, 8 Line Outputs

- Mix Position 1, 2, 3 – MADI for console connection

- Control Room – MADI for console connection

- Mobile Rack – 16 Mic Inputs, 64 Line Outputs

Stage R
- X6R-FX-16MI
- X6R-TP-16MI
- V3R-TP-8LO

Control Room
- DD2FR-FX

Mobile Rack
1x X6R-FX-16MI + 4x X6R-TP-16LO

Stage L
- DD2FR-FX
- X6R-TP-16MI
- X6R-TP-16MI
- V3R-TP-8LO

Audience
- DD2FR-FX
- DD2FR-FX
- DD2FR-FX

OPTOCORE – singlemode crossed duplex fiber cable
SANE – Cat5 cable

SOLUTION:

Stage R:

- 1 x **X6R-FX-16MI** – 16 Mic Inputs connected to fiber ring

- 1 x **X6R-TP-16MI** – 16 Mic Inputs connected to the FX device, working as channel count extension

- 1 x **V3R-TP-8LO** – 8 Line Outputs connected to the FX device, working as channel count extension

Stage L:

- **DD2FR-FX** – 2 x MADI ports to connect the console's stagebox

- 2 x **X6R-TP-16MI** – 32 Mic Inputs connected to the FX device, working as channel count extension

- 1 x **V3R-TP-8LO** – 8 Line Outputs connected to the FX device, working as channel count extension

Mix position 1, 2, 3 and Control Room:

- 1 x **DD2FR-FX** – 2 x MADI ports to connect the console, which controls preamps on Stage L, R and Mobile. Consoles: Studer, Soundcraft, Lawo, SSL, Yamaha (either with MADI card or Y3R-TP)

Mobile Rack

- 1 x **X6R-FX-16MI** – 16 Mic Inputs connected to fiber ring

- 4 x **X6R-TP-16LO** – 16 Line Outputs connected to the FX device, working as channel count extension

MAIN ADVANTAGES:

- Enables renting different consoles Studer, Soundcraft, Lawo, SSL, Yamaha or Digico – using the fixed installed preamps

- Provision for digital as well as analog consoles

- Great flexibility with multiple mixing positions

- Simple and fast switching between mixing positions – changing routing and preamp control - via MIDI or RS232 commands (recalling Macros in Optocore Control software)