

First Floor Rack Room Equipment

Diagram illustrating the First Floor Rack Room Equipment configuration, showing connections between various audio and video components.

Left Rack (Crestron PRO 3):

- COM 1, COM 2, COM 3, COM 4, COM 5, COM 6, COM 7
- C3COM-3 (COM 1, COM 2, COM 3)

Right Rack (QSC Q-SYS Core 510i):

- CIML-4 (MicLine 1, MicLine 2, MicLine 3, MicLine 4)
- CIML-4 (MicLine 1, MicLine 2, MicLine 3, MicLine 4)
- CIML-4 (MicLine 1, MicLine 2, MicLine 3, MicLine 4)
- CDN-64 (Primary, Secondary)

Bottom Rack (Behringer X-32 Core):

- AES50-A, AES50-B
- X-Dante

Central Components:

- OFCI Client AV Lan (Cloud)
- OFCI BGM Music Player (Multiple instances)
- Shure QLXD-4 (Multiple instances)
- QSC CXQ-4K8 (Outputs 1-8, A-H)

Connections:

- COM ports connect to USB-To Serial converters, which connect to DirectTV Boxes.
- DirectTV Boxes connect to Crestron DMF-CI-8 and DM-NVX-30Ec units.
- Crestron units connect to the OFCI Client AV Lan.
- OFCI BGM Music Players connect to the OFCI Client AV Lan.
- Shure QLXD-4 units connect to the OFCI Client AV Lan.
- QSC CXQ-4K8 outputs connect to the OFCI Client AV Lan.
- Behringer X-32 Core connects to the OFCI Client AV Lan.

Power:

- AC 110v is connected to the left rack, the bottom rack, and the QSC CXQ-4K8.

Notes:

- NOTE: Tap all speakers at highest 70v setting

Video Display
 Type 1 of 14

Optional Local HDMI Source

OFCI Client A/V Lan

Crestron PW-2420RU

PSU

Crestron DM-NVX-352

HDMI 1

HDMI 1

HDMI

RS-232

Audio

LAN 1

SFP 3

Sony XBR-55X950H

AC 110v

Programmer's Note:
 Installation technicians should note and provide all MAC addresses for networked equipment. Especially all NVX endpoints in relation to their installed location.

All Crestron MAC Addresses start with 00:10:7f

Video Wall

Top Left

OFE NEC Display

Crestron DM-NVX-352

HDMI 1

HDMI 1

HDMI

RS-232

Audio

LAN 1

SFP 3

Crestron PW-2420RU

PSU

AC 110v

Top Right

OFE NEC Display

Crestron DM-NVX-352

HDMI 1

HDMI 1

HDMI

RS-232

Audio

LAN 1

SFP 3

Crestron PW-2420RU

PSU

AC 110v

Bottom Left

OFE NEC Display

Crestron DM-NVX-352

HDMI 1

HDMI 1

HDMI

RS-232

Audio

LAN 1

SFP 3

Crestron PW-2420RU

PSU

AC 110v

Bottom Right

OFE NEC Display

Crestron DM-NVX-352

HDMI 1

HDMI 1

HDMI

RS-232

Audio

LAN 1

SFP 3

Crestron PW-2420RU

PSU

AC 110v

2nd floor Audio

The diagram illustrates the 2nd floor audio system architecture. An AtteroTech unDgiOBT device is connected to an OFCI Client A/V Lan cloud. This cloud is connected to two Shure QLXD-4 transmitters (labeled 2 and 3) and the QSC CXQ-4K8 processor (labeled 4). The QSC CXQ-4K8 processor has 8 zones (1-8) and is connected to 8 speakers (A-H) on the 2nd floor. The speakers are connected to 8 zones (1-8) and are labeled 2nd floor Zone 1 through 2nd floor Zone 8. An AC 110v power source is connected to the bottom of the QSC CXQ-4K8 processor.

NOTE: Tap all speakers at highest 70v setting

3rd floor Audio

AtterroTech und6iOBT

OFCI Client A/V Lan

Shure QLXD-4

Shure QLXD-4

QSC CXQ-4K8

QSC CXQ-2K4

3rd floor Zone 1

3rd floor Zone 2

3rd floor Zone 3

3rd floor Zone 4

3rd floor Zone 5

3rd floor Zone 6

3rd floor Zone 7

3rd floor Zone 8

3rd floor Zone 9

3rd floor Zone 10

3rd floor Zone 11

AC 110v

AC 110v

NOTE: Tap all speakers at highest 70v setting