

# Auditorium Networked AV

## Notes

Notes	Rev	DATE
Initial	0	8/31/17
ESS	1	7/11/18

ISSUE DATE: 9/1/2017

Legend	
HDMI	—
DB-15 VGA	—
DXL INK	—
AUDIO	—
Blu Link	—
BNC	—
LAN	—
Lighting XLS	—
Control	—
Control Tag	—
Network Tag	—
Audio Tag	—
Video Tag	—

PROJECT ENGINEER: Harman  
DRAWN BY: Harman

DRAWING NUMBER

V-01

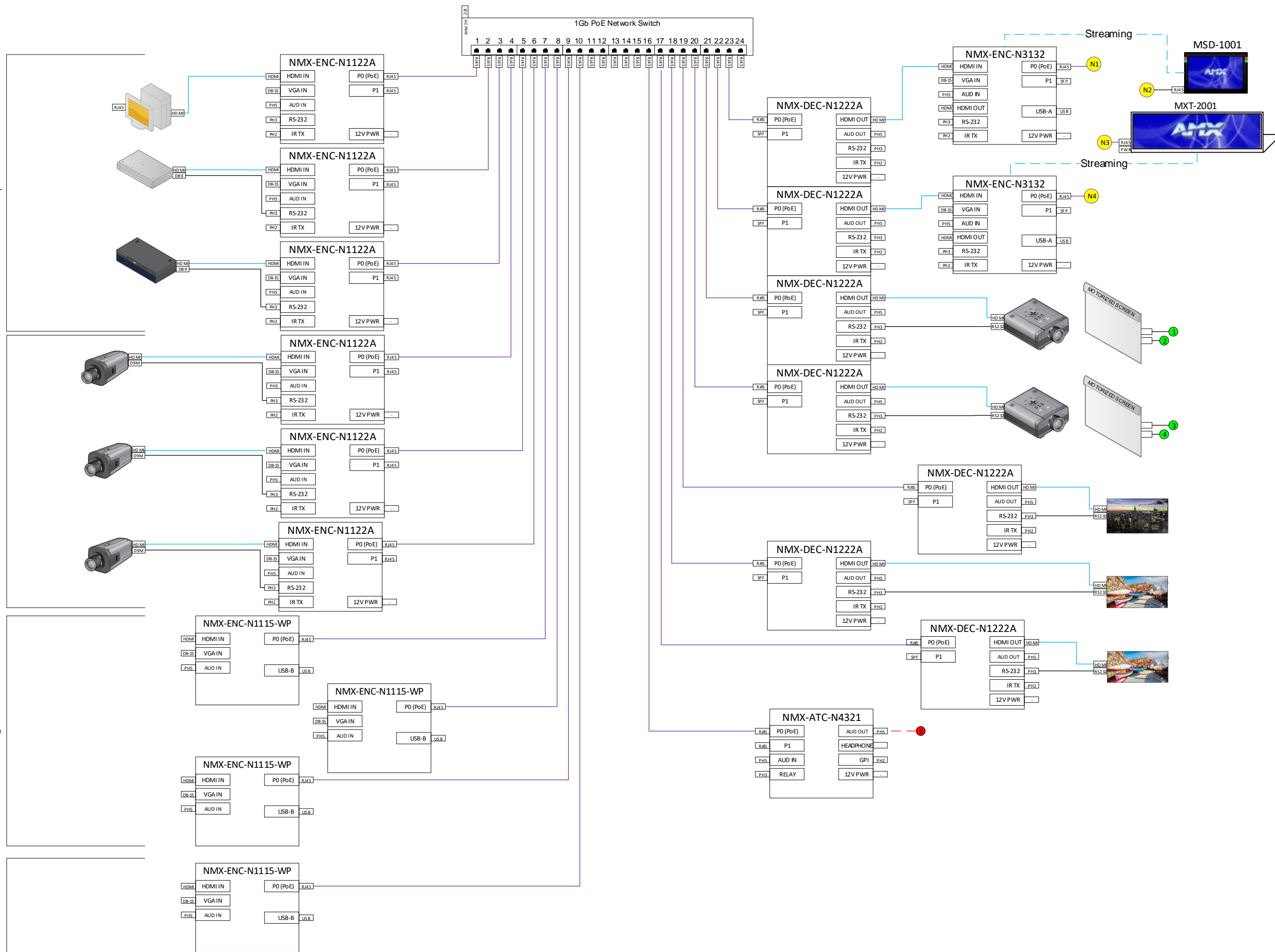
© 2017 Harman Professional

CONTROL  
ROOM

CAMERA  
LEFT  
RIGHT  
AND  
CENTER  
STAGE

WALL  
PLATE  
LEFT AND  
RIGHT  
WALL

PODIUM





**Legend**

Component	Line Style/Color
HD MI	Blue line
DB15 VG A	Black line
DXL INK	Orange line
AUDIO	Red dashed line
Blu Link	Blue dashed line
SNC	Green line
LAN	Purple line
Lighting XLS	Yellow-green line
Control	Black line
Control Tag	Green circle with 'CT'
Network Tag	Yellow circle with 'NT'
Audio Tag	Red circle with 'AT'
Video Tag	Blue circle with 'VT'

The diagram illustrates a comprehensive live sound system architecture, organized into three primary functional areas: CONTROL ROOM, FOH (Front of House), and STAGE.

**CONTROL ROOM:** This section houses the central processing and monitoring equipment. It includes eight wireless microphone receivers (RVC-001 to RVC-008) connected to two antennas (ANT-001, ANT-002) via a splitter (SPLITTER-001). A central hub (HUB-001) and a digital processing unit (DCP-555) are also present. The DCP-555 features 16 inputs (MIC/LINE) and 8 outputs (LINE). A compact stagebox is connected to the DCP-555 via a Dante link (N2).

**FOH (Front of House):** This section contains the main mixing and monitoring equipment. It includes a mixer (MIX-006 Vi2000) with 48 channels (MIC/LINE IN and LINE OUT). An Assisted Listening System is connected to the mixer's LINE OUT. A digital signal processor (DSP-003 BLU-326) is connected to the mixer via a Dante link (N4). The DSP-003 features 4 digital output cards (A, B, C, D) and 4 outputs (A, B, C, D).

**STAGE:** This section contains the microphones and wireless transmitter. It includes 11 microphones (MIC-001 to MIC-011) and a wireless transmitter (XMT-001). The microphones are connected to the receivers in the CONTROL ROOM via Dante links (N1, N3, N4). The transmitter is connected to the receivers via a Dante link (N1).

The diagram uses color-coded lines to indicate signal types: red for audio, green for data/power, and blue for control. The components are interconnected to provide a complete live sound system.

# Auditorium Networked AV

## Notes

Notes	Rev	DATE
Initial	0	8/31/17
ESS	1	7/11/18

ISSUE DATE: 9/1/2017

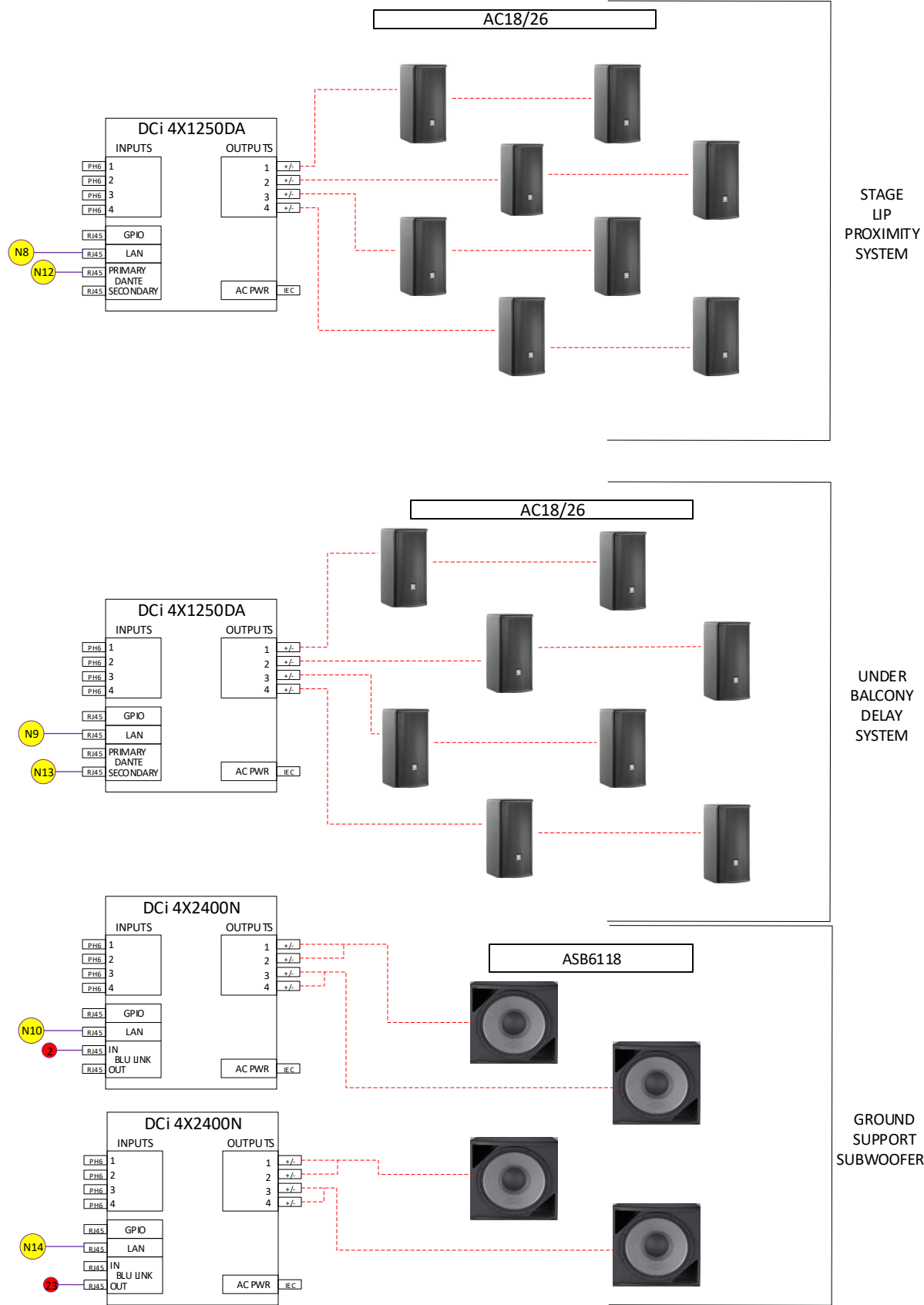
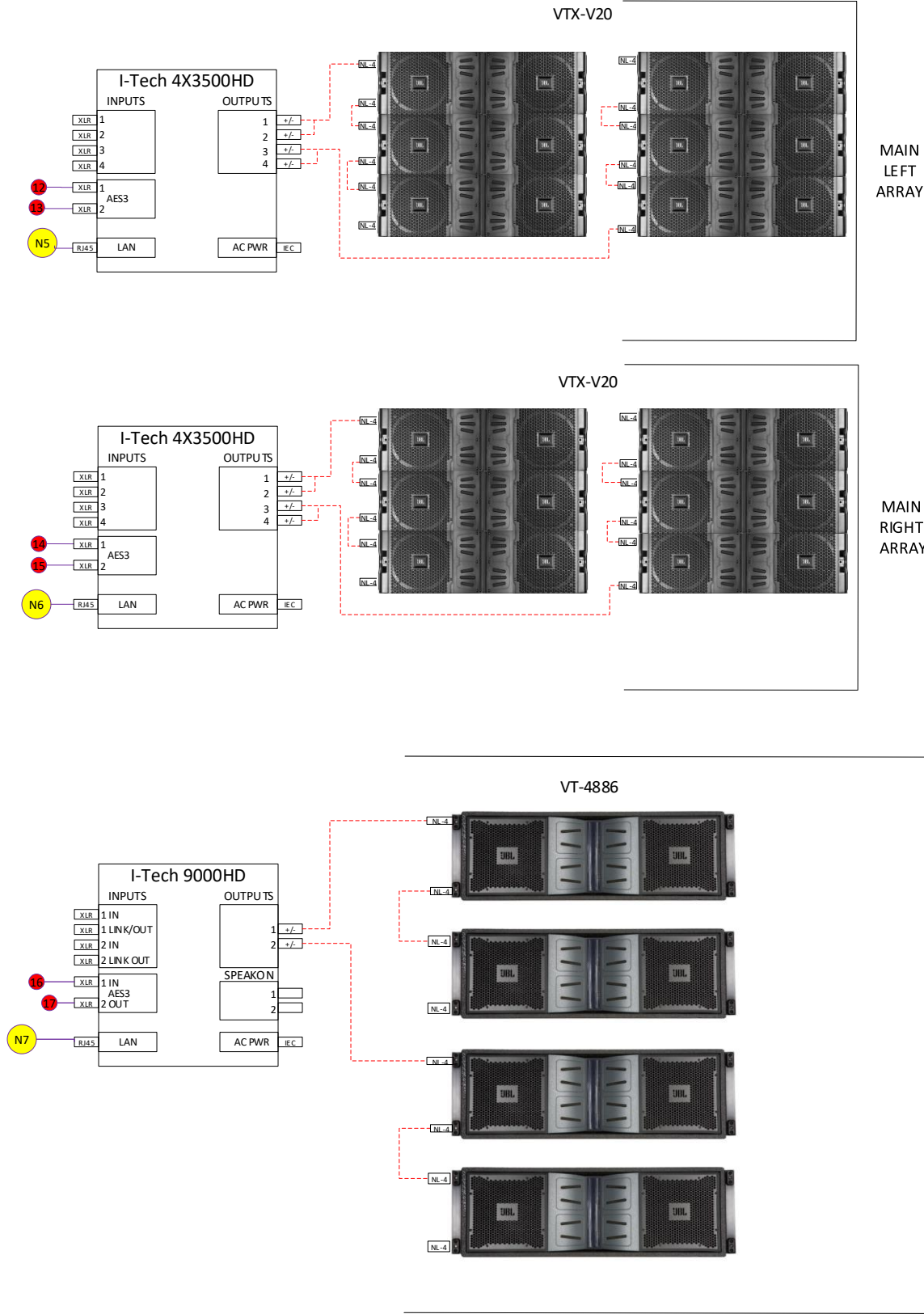
Legend	
HD MI	—
DB15 VGA	—
DXL INK	—
AU DIO	—
Blu Link	—
BNC	—
LAN	—
Lighting XLS	—
Control	—
Control Tag	—
Network Tag	—
Audio Tag	—
Video Tag	—

PROJECT ENGINEER:  
DRAWN BY:

DRAWING NUMBER

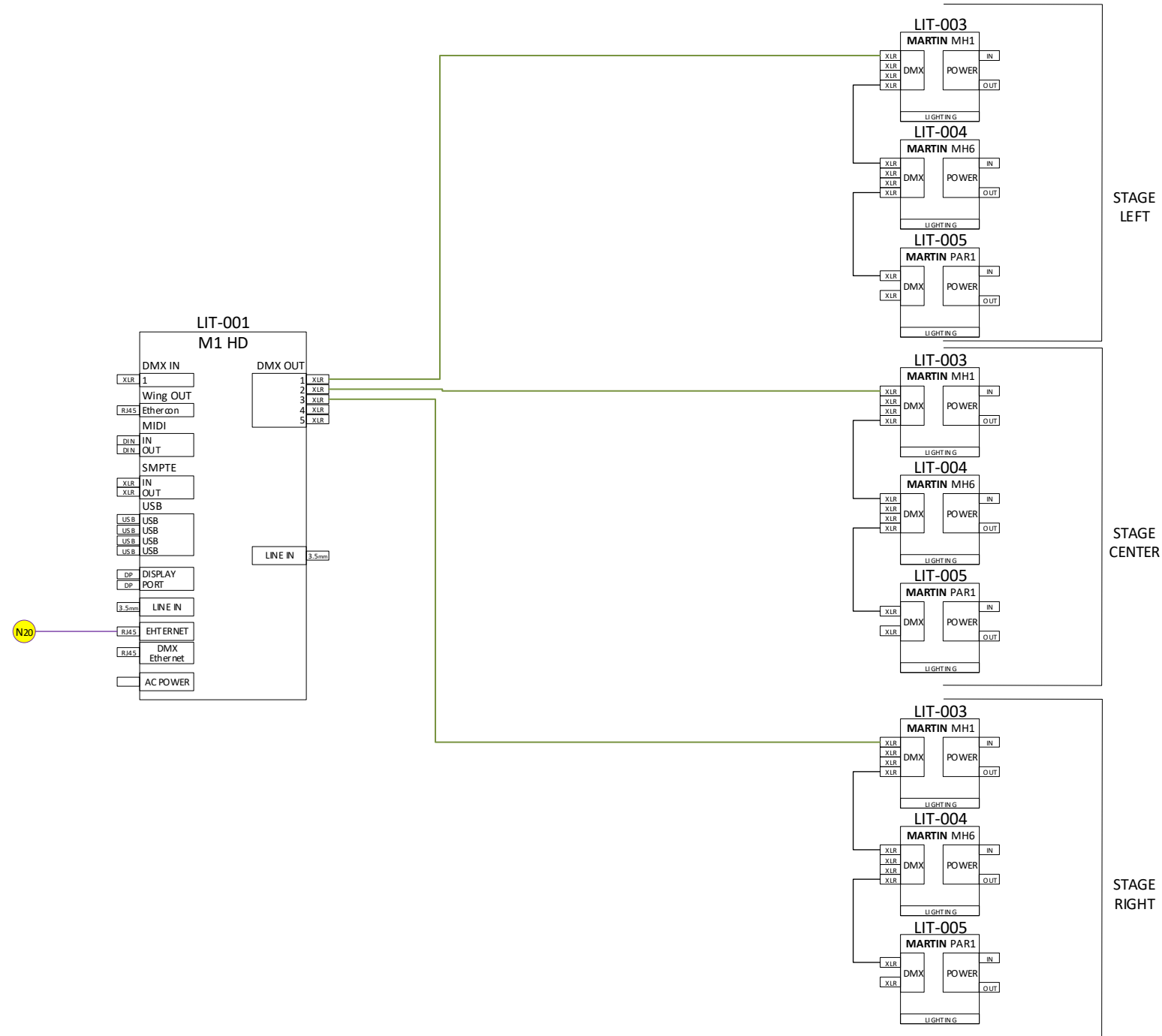
A-02

© 2017 Harman Professional



# Auditorium

Networked AV



## Notes

Notes	Rev	DATE
Initial	0	8/31/17
ESS	1	7/11/18

ISSUE DATE: 9/1/2017

Legend	
HDMI	—
DB15 VGA	—
DXL INK	—
AUDIO	—
Blu Link	—
BNC	—
LAN	—
Lighting XLS	—
Control	—
Control Tag	—
Network Tag	—
Audio Tag	—
Video Tag	—

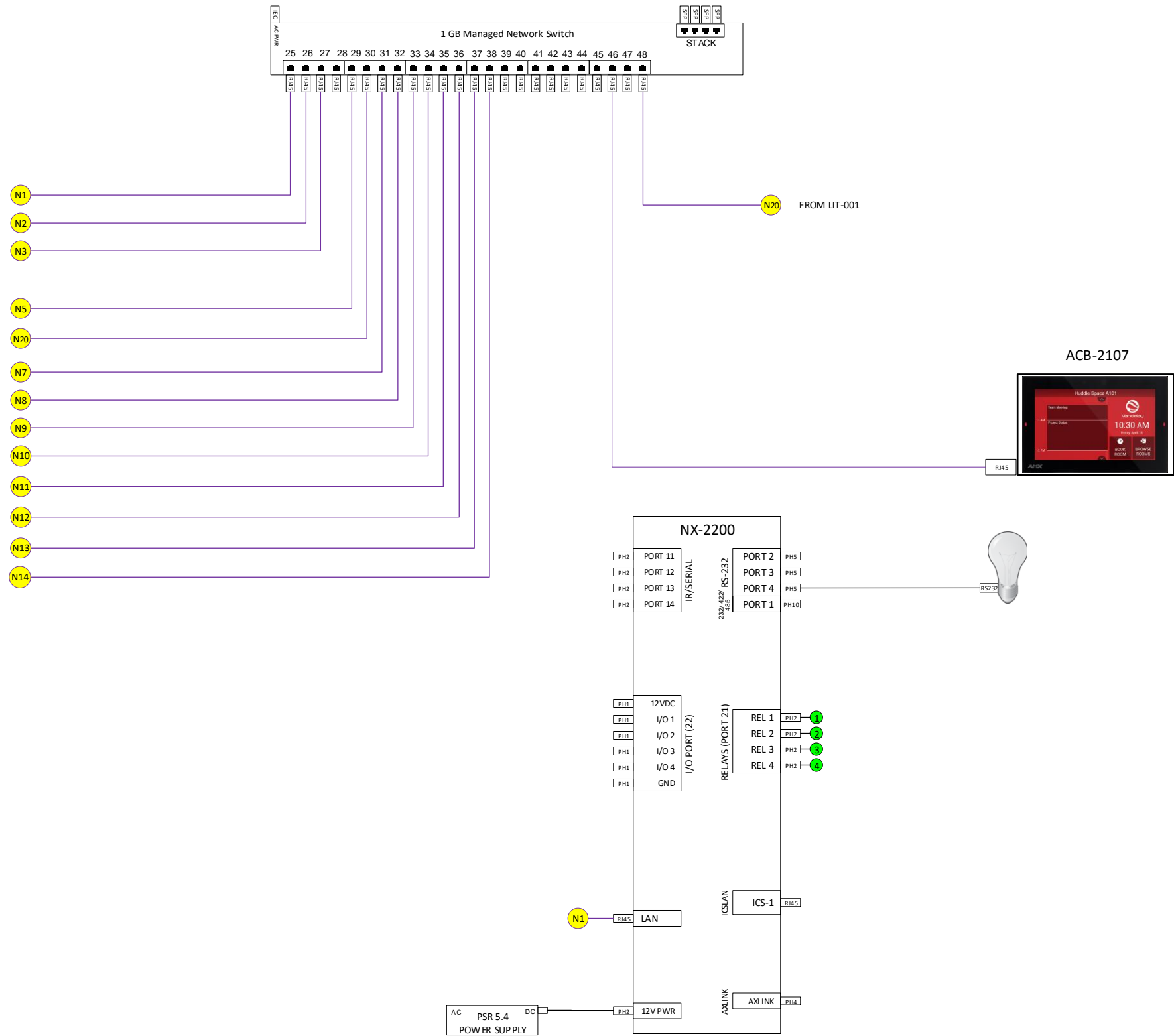
PROJECT ENGINEER: Harman  
DRAWN BY: Harman

DRAWING NUMBER

L-01

© 2017 Harman Professional

# Auditorium Networked AV



## Notes

Notes	Rev	DATE
Initial	0	8/31/17
ESS	1	7/11/18

ISSUE DATE: 9/1/2017

Legend	
HDMI	—
DB15 VGA	—
DXLINK	—
AUDIO	—
Blu Link	—
BNC	—
LAN	—
Lighting XLS	—
Control	—
Control Tag	—
Network Tag	—
Audio Tag	—
Video Tag	—

PROJECT ENGINEER: Harman  
DRAWN BY: Harman

DRAWING NUMBER

C-01

© 2017 Harman Professional