ClearOne®

Large Presentation Room

Design Guide

DOC-0518-001   REV 1.9 - 08 April 2022

AUDIO VISUAL
DISTRIBUTORS

Room Application
Web Collaboration,
Audio Conferencing, Voice Lift,
Presentation

Included Interfaces
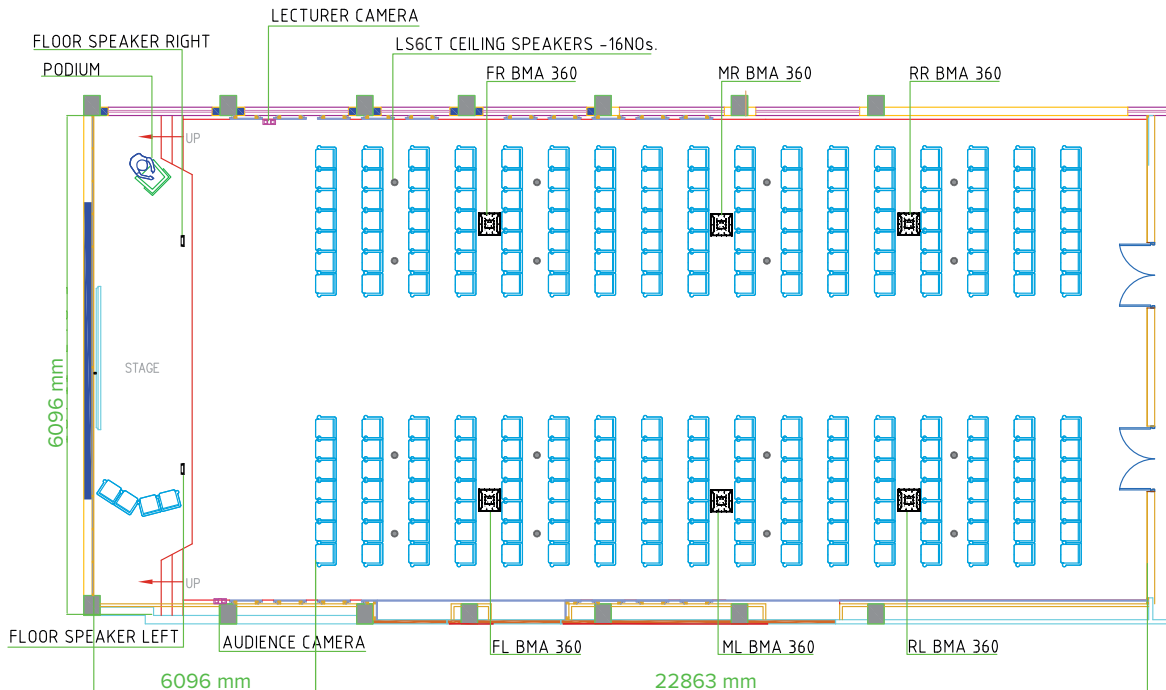VoIP, Analog Telco, USB Audio,
Bluetooth

Primary Equipment
- Converge Pro 2 48VT
- BMA 360 Microphone
- USB Expander
- Unite 150 Camera

Software/Firmware revisions utilized
- CONSOLE® AI Version: 7.5.4.1
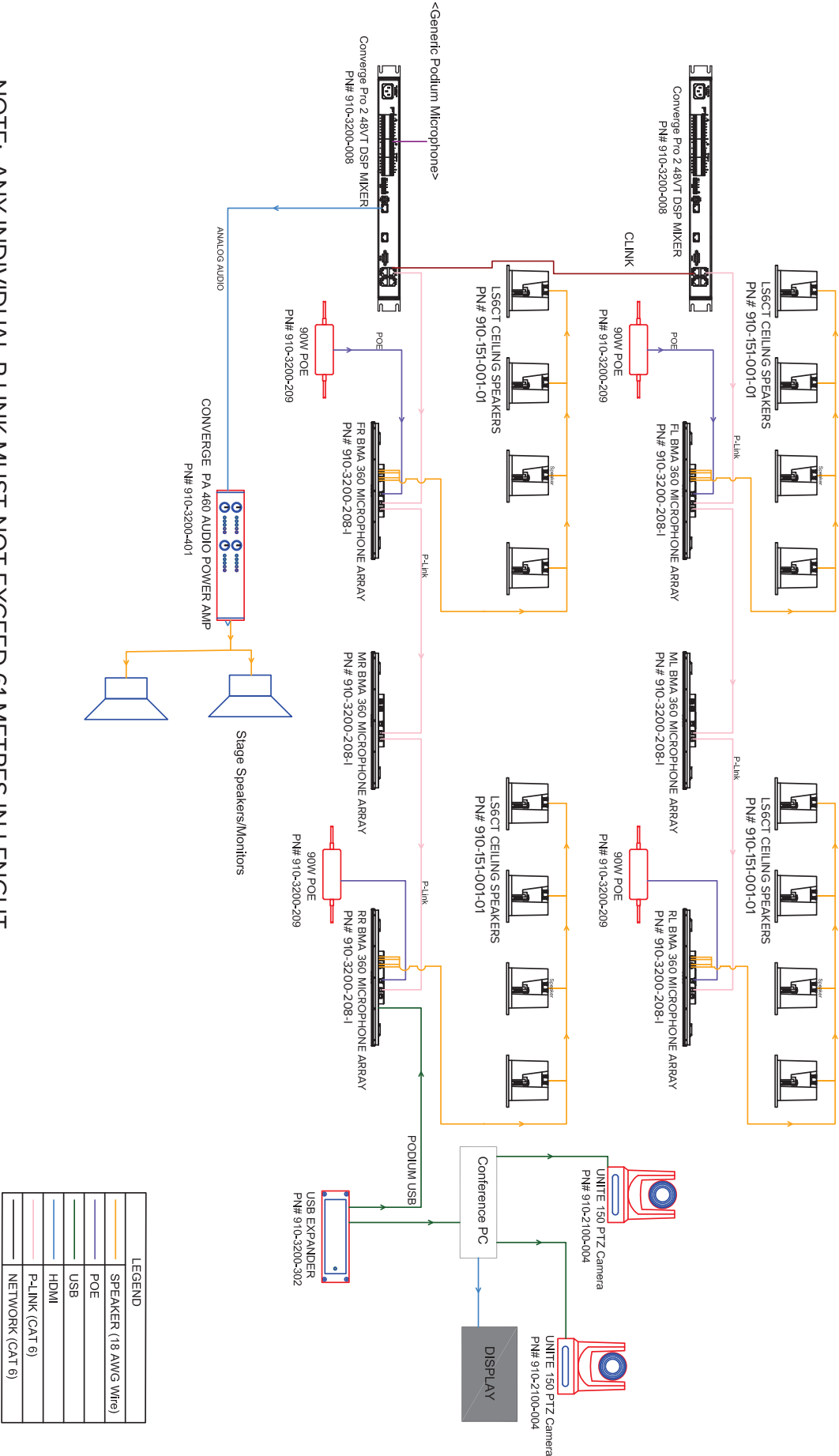- DSP Version: 8.5.15.0
- BMA 360 Version: 1.0.6.10

Room Illustrations

FLOOR SPEAKER RIGHT
LECTURER CAMERA
PODIUM
LS6CT CEILING SPEAKERS –16NOs.
FR BMA 360
MR BMA 360
RR BMA 360
UP
STAGE
6096 mm
UP
FLOOR SPEAKER LEFT
AUDIENCE CAMERA
FL BMA 360
ML BMA 360
RL BMA 360
6096 mm
22863 mm

Room Description
A Large Presentation Room with excellent Voice Lift capabilities and connectivity options. Everyone in this room can be heard, both locally and on the cloud or phone call connections. The Presenter has full control over the audience microphones as well.
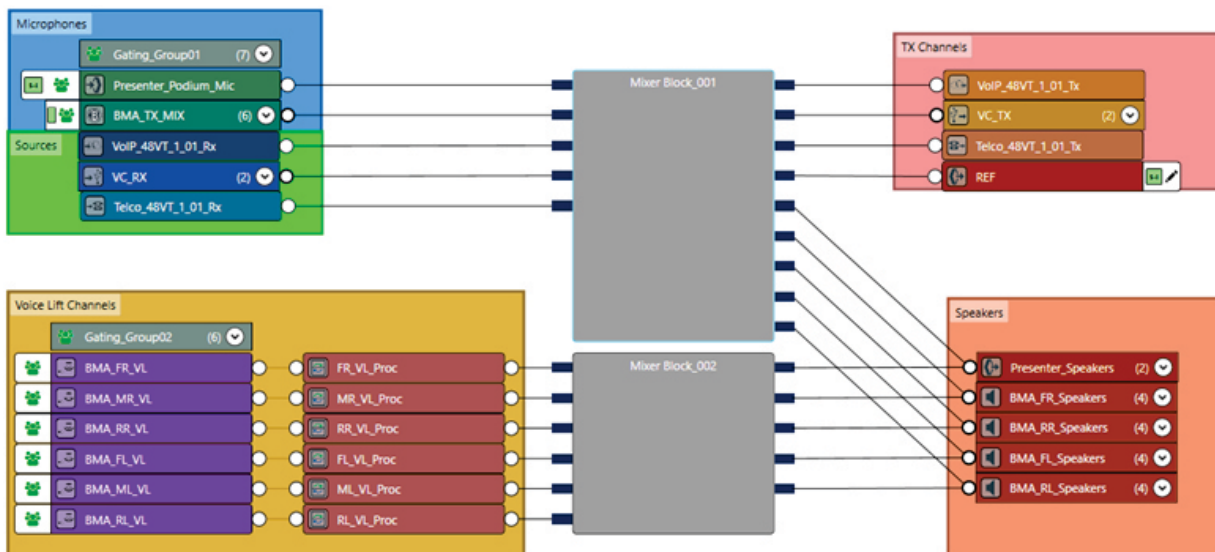
ClearOne®

NOTE: ANY INDIVIDUAL P-LINK MUST NOT EXCEED 61 METRES IN LENGHT

Converge Pro 2 48VT DSP MIXER
PN# 910-3200-008

<Generic Podium Microphone>

Converge Pro 2 48VT DSP MIXER
PN# 910-3200-008

CLINK

ANALOG AUDIO

CONVERGE PA 460 AUDIO POWER AMP
PN# 910-3200-401

Stage Speakers/Monitors

90W POE
PN# 910-3200-209

90W POE
PN# 910-3200-209

POE

POE

LS6CT CEILING SPEAKERS
PN# 910-151-001-01

LS6CT CEILING SPEAKERS
PN# 910-151-001-01

P-Link

FR BMA 360 MICROPHONE ARRAY
PN# 910-3200-208-I

FL BMA 360 MICROPHONE ARRAY
PN# 910-3200-208-I

Speaker

Speaker

P-Link

MR BMA 360 MICROPHONE ARRAY
PN# 910-3200-208-I

ML BMA 360 MICROPHONE ARRAY
PN# 910-3200-208-I

P-Link

90W POE
PN# 910-3200-209

90W POE
PN# 910-3200-209

LS6CT CEILING SPEAKERS
PN# 910-151-001-01

LS6CT CEILING SPEAKERS
PN# 910-151-001-01

P-Link

RR BMA 360 MICROPHONE ARRAY
PN# 910-3200-208-I

RL BMA 360 MICROPHONE ARRAY
PN# 910-3200-208-I

Speaker

Speaker

PODIUM USB

USB EXPANDER
PN# 910-3200-302

Conference PC

UNITE 150 PTZ Camera
PN# 910-2100-004

UNITE 150 PTZ Camera
PN# 910-2100-004

DISPLAY

LEGEND	
	SPEAKER (18 AWG Wire)
	POE
	USB
	HDMI
	P-LINK (CAT 6)
	NETWORK (CAT 6)

Equipment list:

Qty	Part Number	Product Name	Description
2	910-3200-008	CONVERGE® Pro 2 48VT	DSP Mixer with 4 Mic/Line AEC Inputs, 8 Mic/Line Outputs, USB Audio, VoIP, Telephone Interface, 2 x 10 Watt Power Amplifier
4	910-3200-209	90W PoE++ power supply kit for BMA	Includes 1 x 90 Watt PoE++ Injector, 2 x 7.6m CAT6 cables
6	910-3200-208-I	BMA 360 600mm	BMA with 4 x 15 Watt Power Amplifiers. PoE Injector and CAT6 cables not included.
1	910-3200-302	USB Expander for CONVERGE® Pro 2	Includes 1.8m USB cable
8	910-151-001-01	Ceiling Speakers	Includes 2 x LS6CT ceiling speakers with 8 ohm and 70V/100V transformer taps and ceiling tile bridges.
2	910-2100-004	UNITE® 150 PTZ Camera	PTZ camera with 12x optical Zoom, 1080P30 Full HD, USB
1	910-3200-401	CONVERGE® PA 460	4 Ch x 60 Watts Class-D audio power amplifier. Half rack size. Rack-mount kit not included.

FlowView™ Diagram

Included Macros

- House_SPKR_UP : Raises the audience overhead speakers by 3 dB per execution.
- House_SPKR_DOWN : Reduces the audience overhead speakers by 3 dB per execution.
- Stage_SPKR_UP : Raises the stage monitor speakers by 3 dB per execution.
- Stage_SPKR_DOWN : Reduces the stage monitor speakers by 3 dB per execution.
- Stage_SPKR_ON : Enables the stage monitor speaker outputs.
- Stage_SPKR_OFF : Disables the stage monitor speaker outputs.
- Mic_Mute_Stage : Disables the stage podium microphone.
- Mic_Unmute_Stage : Enables the stage podium microphone.
- Mic_Mute_House : Disables all audience BMA 360 microphones.
- Mic_Unmute_House :Enables all audience BMA 360 microphones.
- House_to_Stage_OFF : Disables local voice lift from audience to stage.
- House_to_Stage_ON : Enables local voice lift from audience to stage.
- Stage_to_House_OFF : Disables local voice lift from podium to audience.
- Stage_to_House_ON : Enables local voice lift from podium to audience.
- Mic_Unmute_ALL : Enables all microphones for stage and audience.
- Mic_Mute_ALL : Disables all microphones for stage and audience.

* Macros can be executed via Telnet or serial communications.
  Refer to the Converge Pro 2 Serial Command Reference Manual for details.

SALES AND INQUIRIES

Headquarters
Unit 3, 58 Waterway Drive
Coomera, QLD, 4209, Australia

Phone
Main: +61 7 5561 7530

Sales
sales@avdistributors.com.au

Tech Support
support@avdistributors.com.au