ClearOne®

Flex Room

Design Guide

DOC-0515-001   REV 1.9 – Arp 08, 2022

Room Application
Flexible Seating, Media Content Sharing, Video and Teleconferencing

Included Interfaces
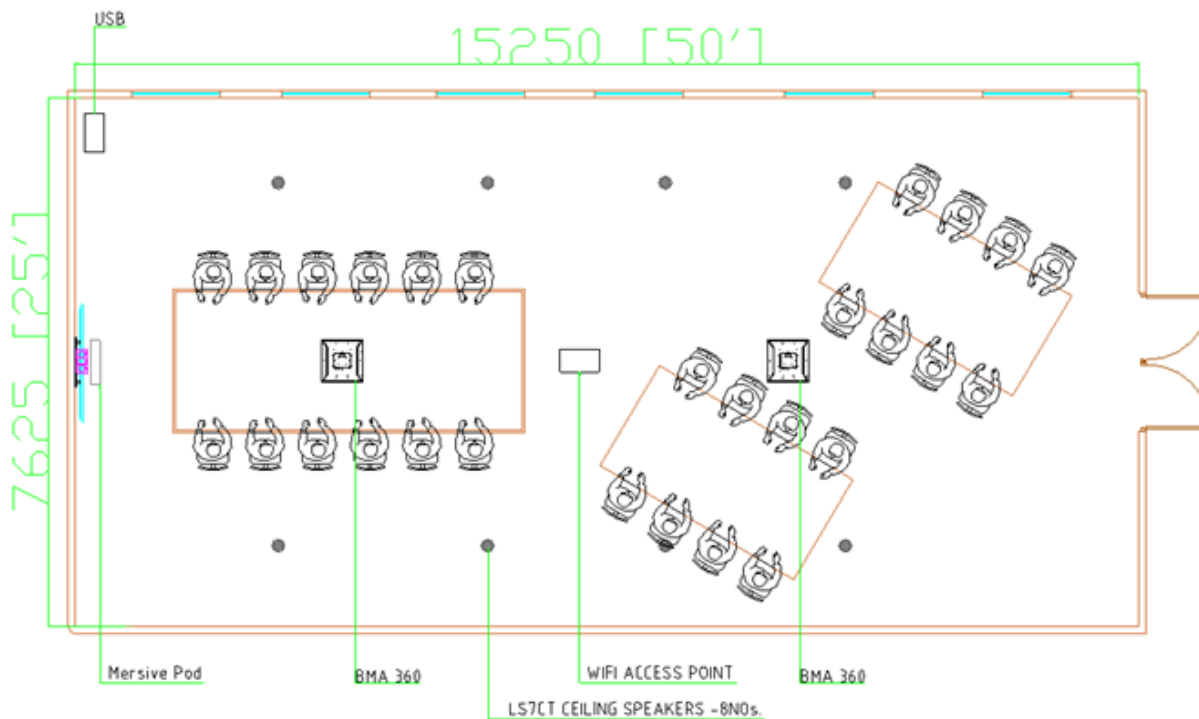VoIP, Analog Telco, Wireless Media Sharing

Primary Equipment
- Converge Pro 2 48VT
- BMA 360 Microphones
- LS7CT Speakers
- Mersive POD

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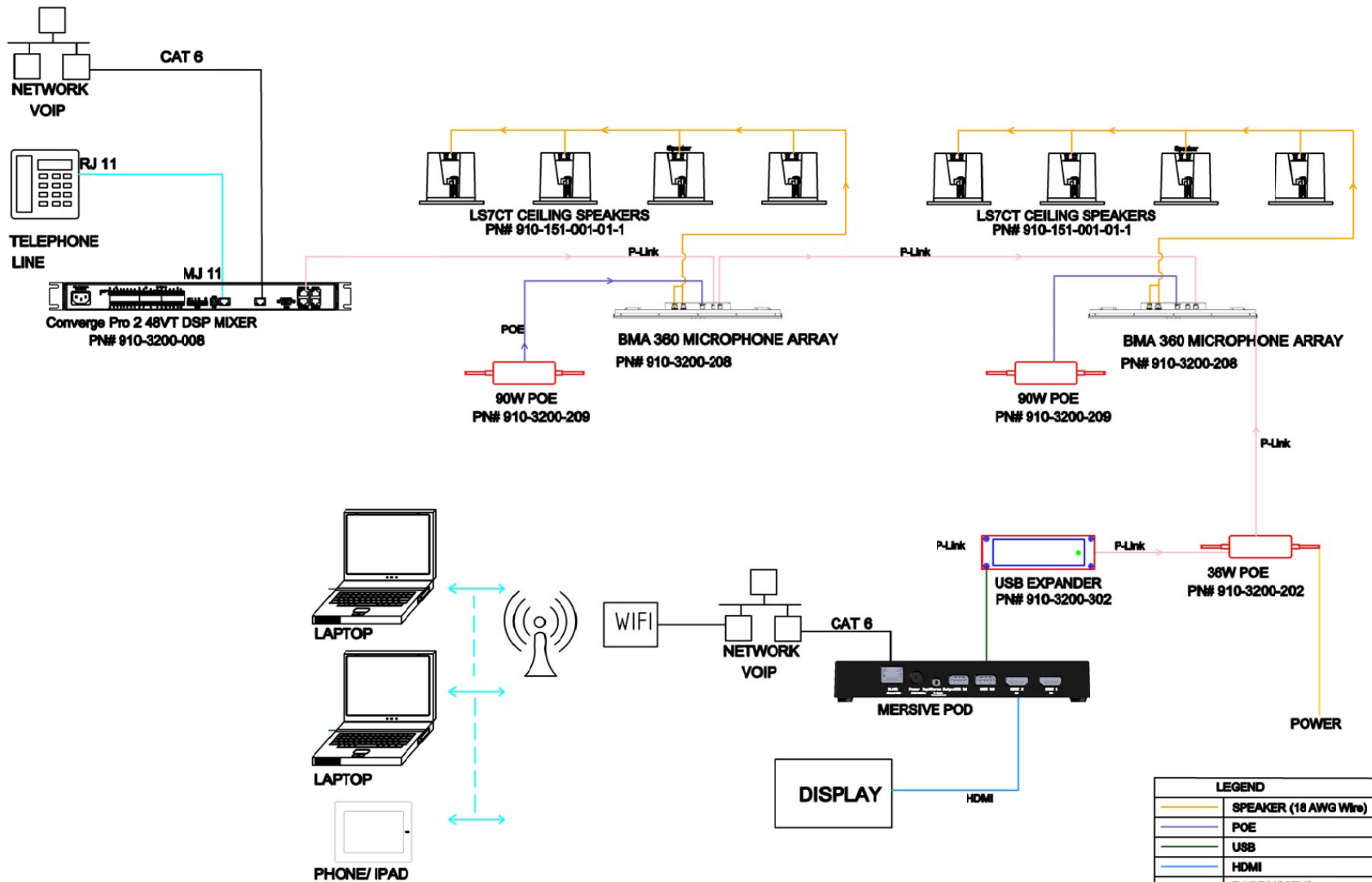- DSP Version: 8.5.15.0
- BMA 360 Version: 1.0.6.10

Room Illustrations

USB

15250 [50']

7625 [25']

Mersive Pod   BMA 360   WIFI ACCESS POINT   BMA 360

LS7CT CEILING SPEAKERS -8N0s.

Room Description
Large open plan room with mobile seating and tables. Great space for having general meetings and sharing content with a focus on wireless, hands free operation.
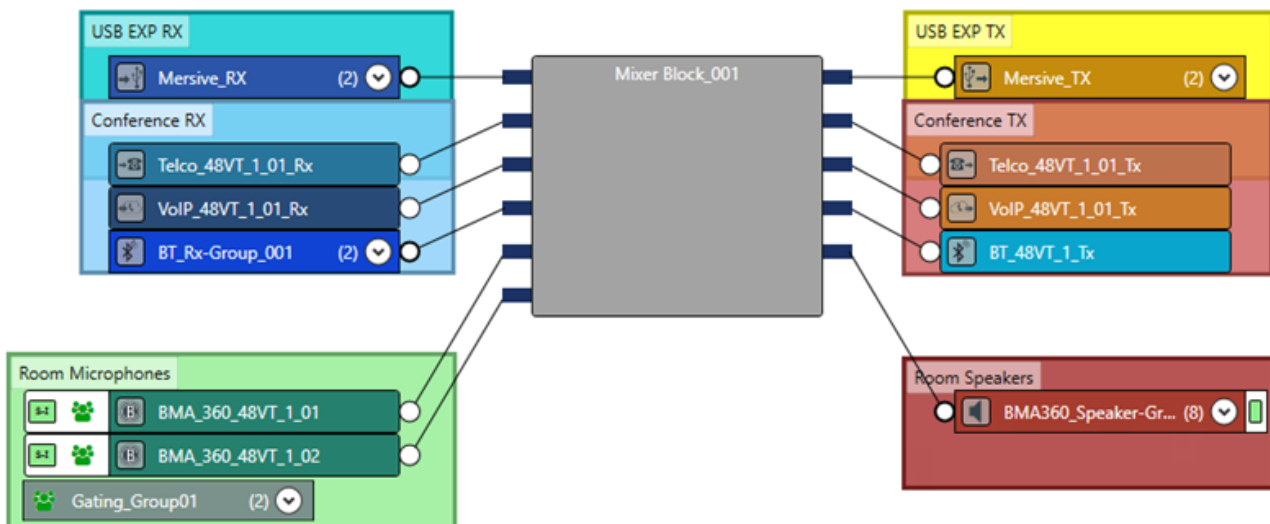
Wiring Diagram

NETWORK VOIP
CAT 6

RJ 11

TELEPHONE LINE

MJ 11

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

LS7CT CEILING SPEAKERS
PN# 910-151-001-01-1

LS7CT CEILING SPEAKERS
PN# 910-151-001-01-1

P-Link

P-Link

POE

BMA 360 MICROPHONE ARRAY
PN# 910-3200-208

BMA 360 MICROPHONE ARRAY
PN# 910-3200-208

90W POE
PN# 910-3200-209

90W POE
PN# 910-3200-209

P-Link

LAPTOP

LAPTOP

PHONE/ IPAD

WIFI

NETWORK VOIP
CAT 6

P-Link

USB EXPANDER
PN# 910-3200-302

P-Link

36W POE
PN# 910-3200-202

MERSIVE POD

DISPLAY
HDMI

POWER

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

NOTE: ANY INDIVIDUAL P-LINK MUST NOT EXCEED 200 FEET / 61 METER IN LENGTH

Equipment list:

Qty	Part Number	Product Name	Description
1	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
2	910-3200-209	90W PoE++ power supply kit for BMA	Includes 1 x 90 Watt PoE++ Injector, 2 x 25 ft CAT6 cables
1	910-3200-202	36W PoE+ power supply kit for BMA	Includes 1 x 36 Watt PoE+ Injector, 2 x 25 ft CAT6 cables
2	910-3200-208	BMA 360 24 Inch	BMA with 4 x 15 Watt Power Amplifiers. PoE Injector and CAT6 cables not included. 910-3200-208-I 600 mm model also available.
1	910-3200-302	USB Expander for CONVERGE Pro 2	Includes 6 ft USB cable
4	910-151-001-01-1	Ceiling Speakers	Includes 2 x LS7CT ceiling speakers with 8 ohm and 70V/100V transformer taps and ceiling tile bridges.

FlowView™ Diagram

Included Macros

- Microphone_Mute : Mutes both room BMA 360 Microphones.
- Microphone_Unmute : Unmutes both room BMA 360 Microphones.
- Room_SPKR_Mute : Mutes all room speaker channels.
- Room_SPKR_Unmute : Unmutes all room speaker channels.
- Room_VOL_DN : Decreases the room speaker volume by 3 dB per execution.
- Room_VOL_UP : Increases the room speaker volume by 3 dB per execution.

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

Download the Flex Room files: HERE