

# Medium Conference Room

## Design Guide

DOC-0519-001 REV 1.9 – Arp 08, 2022

**Room Application**

Video Conferencing,  
Teleconferencing

**Included Interfaces**

BYOD PC audio and video,  
Bluetooth, VoIP, Analog Phone

**Primary Equipment**

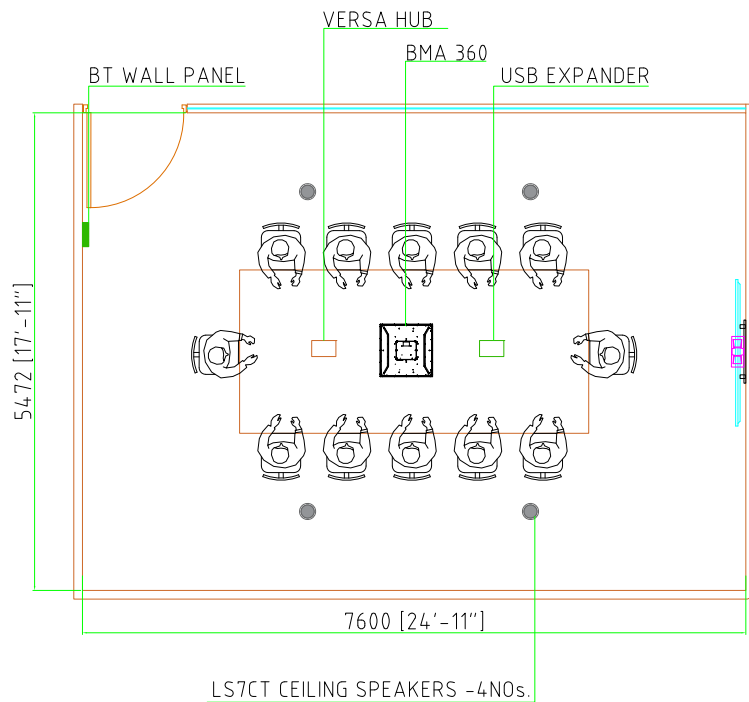
- BMA 360
- 48 VT
- BT Expander
- Versa Hub

**Software/Firmware revisions utilized**

- CONSOLE® AI Version: 7.5.4.1
- DSP Version: 8.5.15.0
- BMA 360 Version: 1.0.6.10



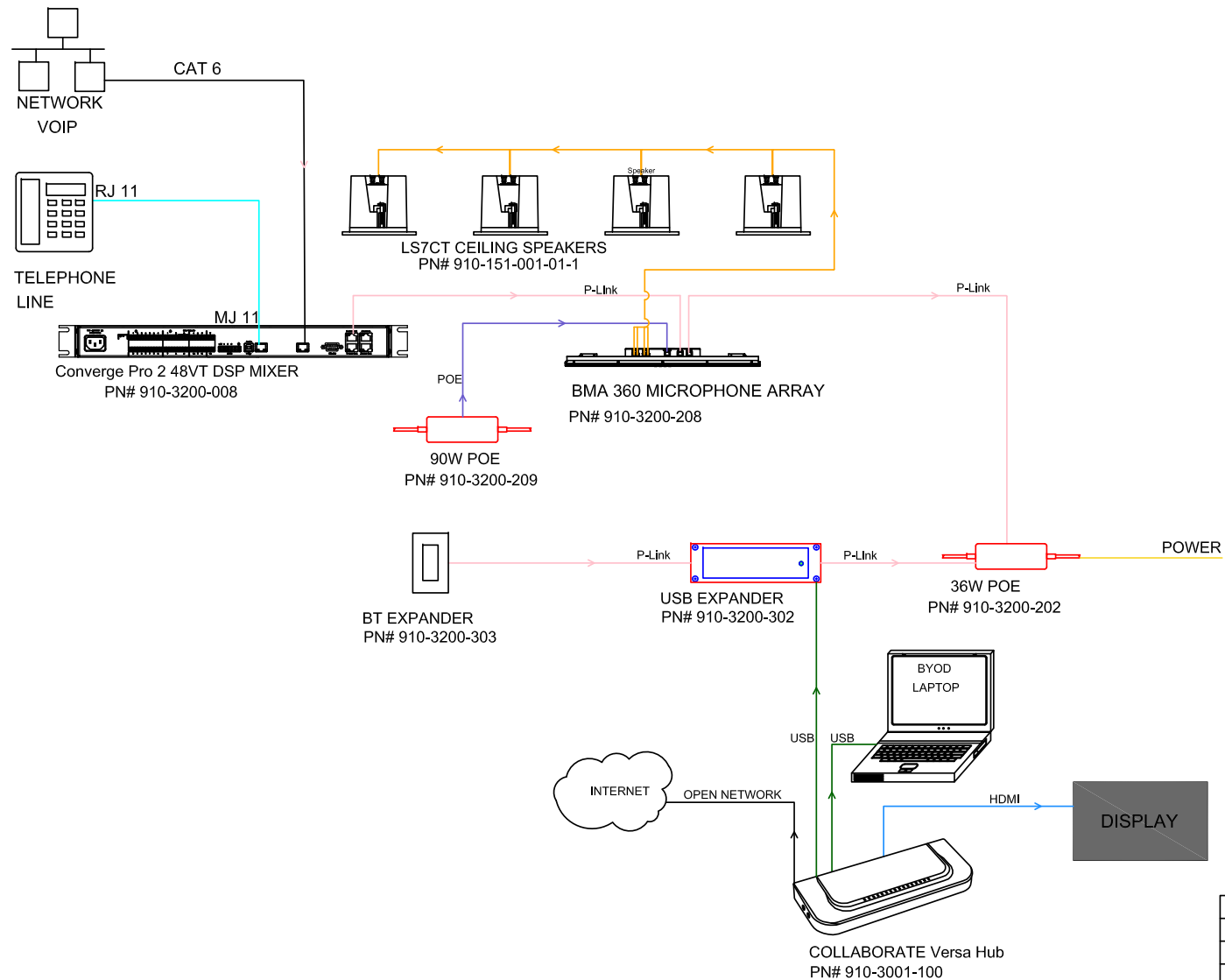
**Room Illustrations**



**Room Description**

A Medium Conference room for groups of 12 or less. This system provides the best audio even in a reverberant space and all of the connectivity needed for BYOD devices from your laptop to your cell phone. Standard Telephony and VoIP complete the systems long list of connectivity options.

**Wiring Diagram**



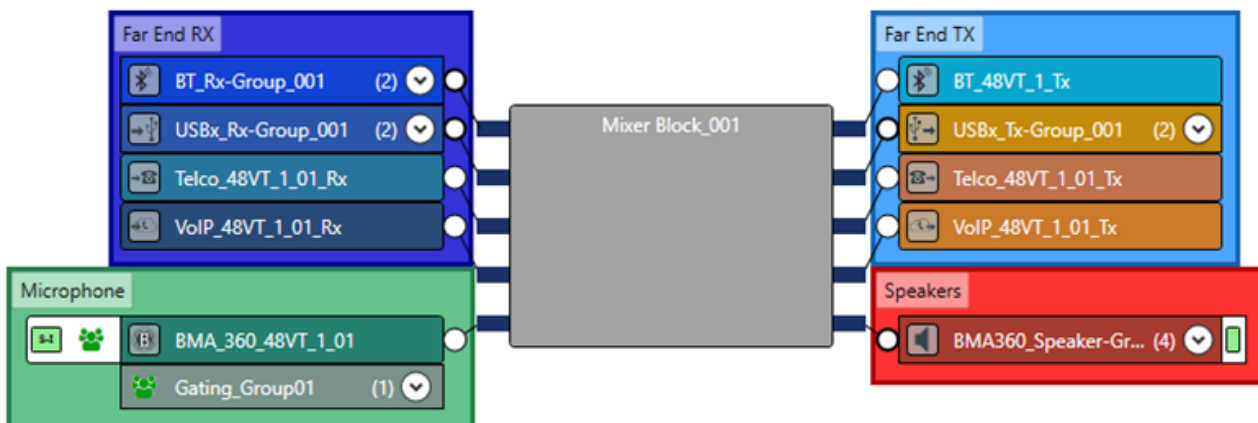
LEGEND	
	SPEAKER (18 AWG Wire)
	POE
	USB
	HDMI
	P-LINK (CAT 6)
	NETWORK (CAT 6)

**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
1	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
1	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
1	910-3200-303	CONVERGE® Blue Tooth Expander	Includes Bluetooth Expander Wall Panel, Trim Plate, Low Voltage 1-Gang Wall Bracket, NFC Button
2	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.
1	910-3001-100	COLLABORATE® Versa Hub	Hub that connects USB camera, USB audio, room displays and laptop

**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 Medium Conference Room files: [HERE](#)

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