

Mac Haik ET2 AV System Programming Narrative

- Programming Platform:
 - The programming will be done through the Qsys Ecosystem and Designer software and will utilize a QSC Core 110 for all AV routing and control
- User Controllers/Interfaces:
 - There will be an Apple iPad running Q-Sys control App with a custom UI dedicated for Background Music audio control that will live at the AV Rack.
 - There will be a wall mounted Apple iPad running Q-Sys control App with a custom UI dedicated for Foreground Music Audio control in the Fitness Center
 - There will be a QSC Attero Tech C1 wall button controller in the Executive Conference Room for simple volume controls
 - There will be 1 tabletop QSC TSC-101-G3 panel in the Boardroom for AV controls
 - There will be 4 wall mounted QSC TSC-101-G3 panels in the Multi-Purpose Divisible Rooms for AV controls
- Programming Details/Requirements:
 - The ET2 AV system will need to be tied into the Kirkwood Restaurant AV system via Core to Core streaming and Control Link to accommodate the ET2 and Kirkwood scheduled hours as specified by the client
 - ET2 schedule TBD
 - Default channel selection for specific times of day
 - Volume levels for specific times of day
 - Restaurant Open (Morning/Early Afternoon)
 - Default to a specific background music zone selection
 - Un-Mute all speaker areas and default to a set volume
 - The speakers outside the restroom (In ET2 building) and in the Restroom corridor to be routed and to play the default restaurant back-ground music zone selection
 - Restaurant Dinner/Evening
 - Default to a specific background music zone selection
 - Default to a set higher volume
 - Restaurant Close
 - Mute all background music audio except the speakers outside the restroom (In ET2 building) and in the restroom corridor which will be set to a default lower volume

- The speakers outside the restroom (In ET2 building) and in the restroom corridor to be routed and to play the default ET2 building default back-ground music zone selection from the ET2 AV system
- BMG Ipad User Interface – Control Requirements
 - Audio streaming channel selection to be routable to all or selectable areas of the building
 - Audio Inputs:
 - Streaming background music selection (Streaming Channel 1-4)
 - Audio Output Areas:
 - 1st Floor
 - 2nd Floor
 - Outdoor Area
 - Fitness Center
 - Volume and mute controls
 - Master mute control (Mutes all areas of ET2)
 - Master volume control (Adjusts volume in all areas – is this needed?)
 - Individual speaker area volume and mute controls (4 areas)
- Fitness Center Ipad User Interface – Control Requirements
 - Audio source and streaming channel selection for the fitness center
 - Streaming background music selection (Streaming Channel 1-4)
 - QSC unD6IO-BT Bluetooth Wall Plate
 - Display Controls
 - Display On/Off
 - Automatic power control from displays HDMI auto sensing
 - TV streaming devices will be controlled separately by owner
 - Volume and mute controls
 - Mute
 - Volume control
- Executive Conference Room Button controller- Control Requirements
 - Auto source detection upon laptop HDMI connection at the table
 - Volume and mute controls
 - Program volume Mute
 - Program volume control

- Display Controls
 - Automatic power control from displays HDMI auto sensing
- Boardroom QSC Touch panel Interface – Control Requirements
 - This is a BYOD/BYOM room
 - Video Conference Meeting controls will be done through video conference application on the user's laptop
 - Display Controls
 - Display On/Off
 - Automatic power control from displays HDMI auto sensing
 - Auto source detection upon laptop HDMI and USB connection at the table
 - Camera Selection:
 - Presenter and Audience
 - Camera Presets, Auto-Framing for Audience and Presenter,
 - Volume and Mute Controls
 - Program Volume
 - Ceiling Microphone Volume
 - AV system schedule (TBD)
 - Auto-Shut Down
- MPR QSC Touch panels Interface – Control Requirements
 - These are BYOD/BYOM rooms
 - Video Conference Meeting controls will be done through video conference application on the user's laptop
 - Room combine controls (Individual and combined)
 - Display Controls (4 Displays)
 - Displays On/Off
 - Automatic power control from displays HDMI auto sensing
 - Auto source detection upon laptop HDMI and USB connections
 - Front Wall Plates
 - Rear Wall Plates
 - Camera Selection:
 - Presenter(s) and Audience(s)
 - All 5 cameras selectable in combined
 - Camera Presets, Auto-Framing for Audience and Presenter,
 - Volume and Mute Controls
 - Program Volume
 - Ceiling Microphone Volume
 - Wireless Mic volume (2 Mics each MPR)
 - 1 HH and 1 Lav

- AV system schedule (TBD)
 - Auto-Shut Down
- Scope of Work per Area:
 - BOARDROOM & MULTI-PURPOSE ROOMS
 - These rooms are designed for BYOD presentation and video conferencing utilizing the Q-Sys platform for audio, video and control. The rooms will feature 110" displays, multiple PTZ cameras, ceiling beamforming microphones, wireless microphones and ceiling speakers to ensure comprehensive audio and video coverage. Wall-mounted control panels at the front and side of the multi-purpose rooms offer AV system controls at multiple locations for flexibility in different room configurations. A table-top control panel will be used for AV system controls in the Boardroom. All video conferencing application controls will be done from the user's laptop. Room scheduling displays will be visible at all entry doors.
 - EXECUTIVE CONFERENCE ROOM
 - This room is designed for local laptop presentation with an HDMI connection at the table and a 98" display. The presentation audio will be heard from ceiling speakers and a button panel will be utilized for volume control.
 - FITNESS CENTER
 - This room is designed for streaming TV viewing, foreground music and background music. Two 75" ceiling suspended displays, custom suspended pendant speakers, custom suspended sub-woofers and ceiling speakers will provide the audio and video coverage throughout the space. An Apple iPad will be utilized for streaming music source selection and volume controls.
 - BACKGROUND MUSIC AREAS
 - This includes streaming background music to be heard throughout the different public areas of the building (1st Floor, 2nd Floor, and Outdoor Area)