



It's Under Control®

## SIMPLE, SMART, AND COMPREHENSIVE MEETING ROOM CONTROL

New York-Based Company Updates Conference Room With RTI Control



Meetings today are much more robust than they were 10 years ago. There are a multitude of video conferencing platforms (Microsoft Teams, Zoom, Webex, Google Meet, etc.). Add to that, in-office participants need to be able to connect their laptops and other devices quickly to share content to room displays or projectors. To get the room meeting-ready includes adjusting the lights, turning on displays and video cameras, enabling audio via microphones and speakers, and the list goes on. It can be overly complex for users who don't have time to wrestle with technology and must use every minute of meeting time productively. That was the case for a corporate boardroom for a company based in New York that sought out the AV expertise of Joe Mattera, owner of Mattera AV Design. He designed and programmed an extensive AV system for the 40' x 15' boardroom that could launch meetings in seconds and be intuitively controlled using RTI. "The client wanted a lot of options — multiple laptop inputs,

videoconferencing via Teams as well as other web-based conferencing platforms, lighting and volume control, plus the ability to send any presentation device and videoconference to any display or all at once," said Mattera.

Because of the size of the room the client needed exceptional audio quality and coverage throughout the entire space. To deliver high-quality audio for both the near end and far end during a video conference, Mattera installed 13 Shure MX418D/S gooseneck mics, 10 Sonance Pro Series PS-C63RT speakers, and a SnapOne Episode® 70V IP-Enabled Amplifier with Biamp DSP. Another primary focus was ensuring visual meeting equity so that participants would be able to see and give presentations and lead video conference sessions from anywhere. To achieve this Mattera installed one 86-inch LG display that was outfitted with an Atlona HDVS-CAM-HDMI PTZ camera and flanked by two Samsung 75-inch displays.

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*“The client was blown away by how simple it is to control everything from the customized RTI user interface. They’re so impressed that are they’re currently expanding to another floor and want the same system built in the second boardroom. They love the fact that the system is basically hands off and they don’t need to have IT staff on standby for support whenever they have a meeting.”*

*Joe Mattera  
Mattera AV Design*

Mattera also updated the lighting to add even more convenience to the control experience. The Lutron system includes two Lutron Hybrid six-button keypads tied to seven Lutron Radio RA2 Pro LED dimmers and a Radio RA2 main repeater.

Connectivity needed to embrace the ‘bring your own device’ (BYOD) trend that is prevalent today. Mattera incorporated a Logitech Swytch (for laptop connections), an Icron Raven 3104 USB 3-2-1 4-Port USB 3.1 Over Cat6/7 Extender System, Binary™ 660 Series 4K HDR HDMI Matrix Switcher, and Araknis Networks® 210 Series Websmart Gigabit Switch deliver PoE and signal distribution. Power needs are handled with a WattBox® IP Power Conditioner.

The RTI control ecosystem unified the experience with intuitive control customized for the room. Users can control the entire system, including the Lutron lighting from the RTI KA11 11-inch touchpanel and from the RTI Control app running on an iPad. The GUI interface has been customized down to the last detail using RTI’s Integration Designer® to ensure users can command and control the room’s AV devices and start video conferences with a tap on the touchpanel or iPad.

Integration Designer enabled Mattera to achieve a faster, more-efficient installation with all the advanced customization for which RTI is renowned.

The RTI XP-8v control processor acts as the brains of the system, elevating system performance by delivering maximum processing power, convenient and reliable control with status feedback from controlled devices, eight RS-232 ports and eight relay ports each, as well as eight multi-purpose input/output control ports and eight programmable 100mA/2VDC outputs each. The processor leverages the extensive RTI driver database to facilitate the integration of third-party devices for the smart business, such as audio and video distribution, lighting, shades, security, and HVAC.



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### List of RTI products used:

- 1x XP-8v Control Processor
- 1x KA11 Touchpanel
- RTI Control App for iPad

The XP-8v programs quickly with the Integration Designer programming software. Increased performance combined with a real-time/multitasking operating system, exceptional expandability, and compatibility with any RTI controller or app, make the XP-8v the perfect solution for large-scale and complex projects.

Why RTI? The client wanted to avoid the bad experiences they'd had in the past with programming and reliability from their own system from another brand. With RTI, Mattera AV Design also wowed the client by enabling macros to quickly launch a meeting at the touch of a button. All displays turn on, lights dim to a specific conferencing level, inputs change to the dedicated Teams device, and the conference is ready to go. When users need to plug in their own devices and/or conduct a video conference from other platforms, it's just as seamless.

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