Fully Integrated Smart Classrooms

Control for Classrooms with AV Cart Configurations with Sapphire Room Controller

Access and adjust sound, video and lighting together from a single easy-to-use interface with the Sapphire Room Controller with HiFi Interconnection.

Modern classrooms utilize the latest in educational technology to make the learning experience intuitive, engaging and relevant. Multimedia presentations incorporating PowerPoint, video and sound have become curriculum expectations, and classrooms are expected to keep pace. For retrofit or new construction, Sapphire Room Controller with HiFi Interconnection brings the room's sound, projection video and energy settings together on a single station.

CHALLENGE

Classroom with multiple smart technologies managed in an AV cart requires a single control location to manage settings for simple usage and adjustment.

- Includes AV equipment such as speakers, projectors, document equipment and Blu-Ray players
- Classroom utilizes an AV cart to keep equipment accessible but still mobile
- Incorporates energy controls including occupancy sensors, photocells and lighting control stations
- Utilizes different settings for various scenarios (such as lecture vs. multimedia presentation), which need to be switched between quickly and seamlessly
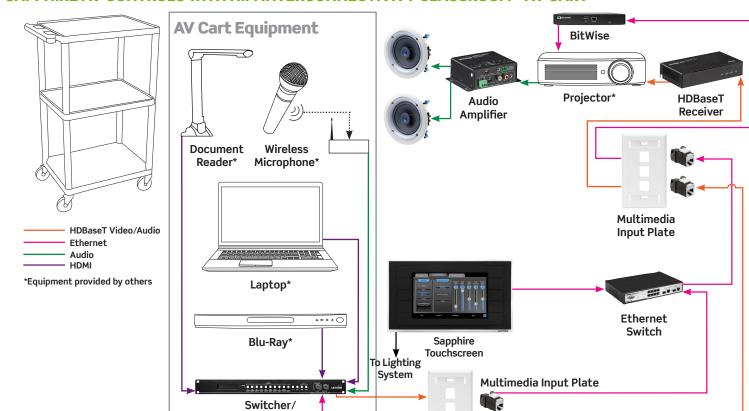
SOLUTION

Sapphire Room Controller with HiFi Interconnection manages AV equipment and energy controls from a single touchscreen station.

- Manage both AV controls and energy controls from a single centralized point
- Easy to integrate into a classroom AV cart
- Set scenes for different usage scenarios, which are accessible from an easy-to-use interface—press a single button on the touchscreen to activate the scene
- Adjust lighting, sound levels and other settings from the Sapphire station

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SAPPHIRE AV CONTROLS WITH HIFI INTERCONNECTIVITY CLASSROOM—AV CART

AV Cart Equipment

BitWise

Audio Amplifier

Projector*

HDBaseT Receiver

Document Reader*

Wireless Microphone*

Multimedia Input Plate

— HDBaseT Video/Audio
— Ethernet
— Audio
— HDMI

*Equipment provided by others

Laptop*

Blu-Ray*

Sapphire Touchscreen

Ethernet Switch

To Lighting System

Switcher/ Scaler

Multimedia Input Plate

WHAT YOU WILL NEED

SAPPHIRE AV CONTROLS WITH HIFI INTERCONNECTIVITY CLASSROOM—AV CART	QTY.
Sapphire Room Controller | TS007 Centralizes all AV, sound and lighting classroom control through an easy-to-use touchscreen interface	1
Switcher/Scaler | SS0AV-091 Contains 9 video input interfaces to switch or scale to HDMI/HDBaseT outputs	1
BitWise | BWBC4 Automatically control projector power	1
HDBaseT Receiver | 41910-HT0 Extends HDMI signals up to 230 ft over a single category-rated cable	1
Ethernet Switch | EMS00-008 Supports up to 2 SFP modules	1
Multimedia Input with Wallplate | 41290-HDW and 41290-SMW Adapts an HDMI feedthrough connector to MOS wallplates	2
In-Ceiling Speaker | SGC65-00W Provides premium-grade sound with superior performance and durability	2
Audio Amplifier | 41920-A01 Ideal for classrooms, small conference rooms, and light commercial/retail—includes 2 stereo audio inputs and 1 balanced mic input	1

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