



TODAY'S CLASSROOMS REQUIRE REAL COLLABORATION

New methods of teaching and learning have changed the concept of a classroom. As lecture-oriented rooms fade and active learning environments emerge, students and teachers require technology solutions for a simplified collaborative environment.

To be successful, schools need to consider a classroom equipped with a wireless collaboration solution to transform the way students work together. Imagine a room where activities like group discussions, posing questions to the class, and student presentations occur without barriers. Get complete AV education solutions from Black Box.

AV EDUCATION SOLUTIONS

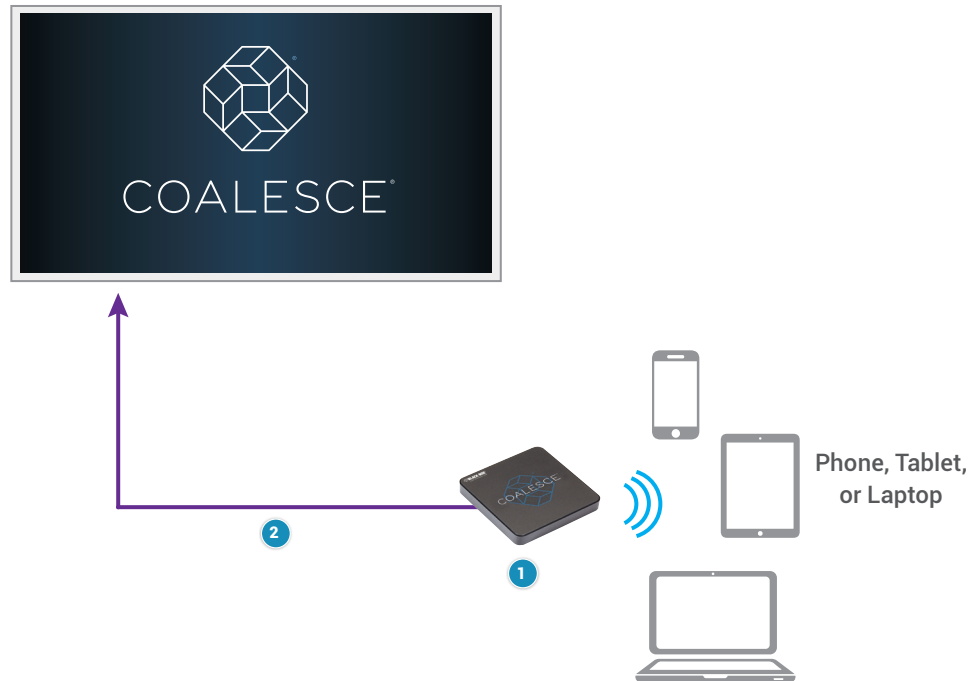
- » Huddle Space: 1 Display / 1 Source
- » Small Classroom: 1 Display / 2-4 Sources
- » Large Classroom: 1-2 Displays / 4-8 Sources



EDUCATION SOLUTIONS

HUDDLE SPACE: 1 DISPLAY / 1 SOURCE

APPLICATION DIAGRAM



APPLICATION DETAILS

1 Coalescence™ Collaboration System

2 Slimline High-Speed HDMI Cable

► For full specifications, see table on back.

DESCRIPTION

Simple configuration for a small room or open area where two to six students gather on the fly to share ideas.

CHALLENGE

Students need to gather to collaborate and share ideas. Multiple users sharing cables or leaning over a single laptop is challenging and limits productivity.

SOLUTION

Black Box's wireless collaboration system, Coalescence, enables users to contribute and provide content from their mobile devices to the display.



Huddle Space Solution: 1 Display / 1 Source

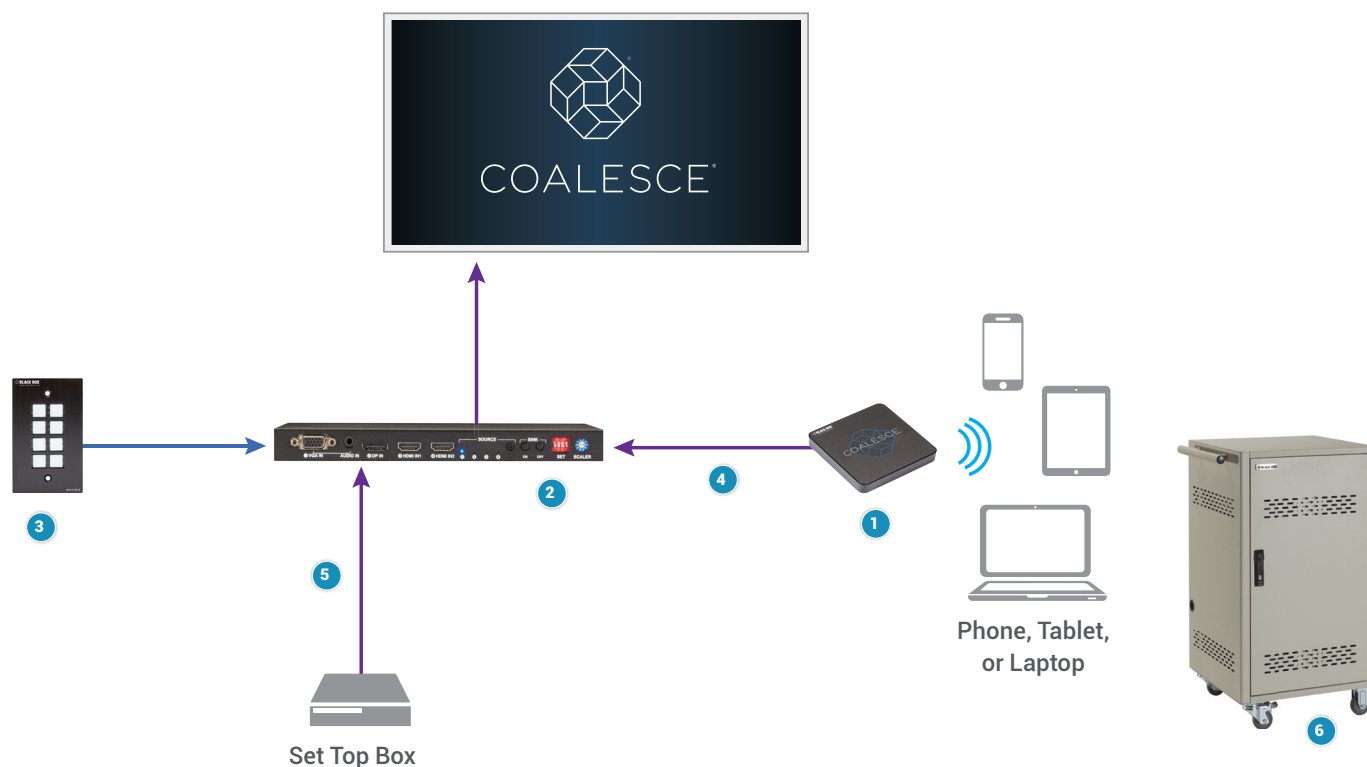
Product	Part #	Inputs	Outputs	Benefits
1 Coalesce Collaboration System	WC-COA	Unlimited (Wireless)	(1) HDMI	Wirelessly connect, share, and control unlimited content from any device with unlimited users. Compact device fits behind displays.
2 Slimline High-Speed HDMI Cable	VCS-HDMI-001M	—	—	Super flexible, ultra-thin cable, 3.2 ft. (1 m), for easier handling and installation. Included with Coalesce.



EDUCATION SOLUTIONS

SMALL CLASSROOM: 1 DISPLAY / 2-4 SOURCES

APPLICATION DIAGRAM



APPLICATION DETAILS

- | | | |
|-------------------------------------|-------------------------------------|---|
| 1 Coalescence™ Collaboration System | 3 Wallplate Control Panel, 8-Button | 5 GigaTrue® – CAT6 Lockable Patch Cable |
| 2 4 x 1 Presentation Switcher | 4 Slimline High-Speed HDMI Cable | 6 Standard Charging Cart |

► For full specifications, see table on back.

DESCRIPTION

Simple configuration for a small room where 10 to 20 students and one teacher gather to learn and share ideas.

CHALLENGE

Today's classrooms need to support various teaching methods which require support for a variety of input sources. This could include anything from PCs and set top boxes for streaming on-demand content to collaboration systems.

SOLUTION

Black Box's wireless collaboration system, Coalescence, enables users to contribute and provide content from their PC or mobile devices to the display. To address multi-use rooms with multiple inputs, simply add a presentation switcher and sleek wallplate control panel to control the switch. To charge, store, and transport laptops, tablets, and other devices, add a durable charging cart.



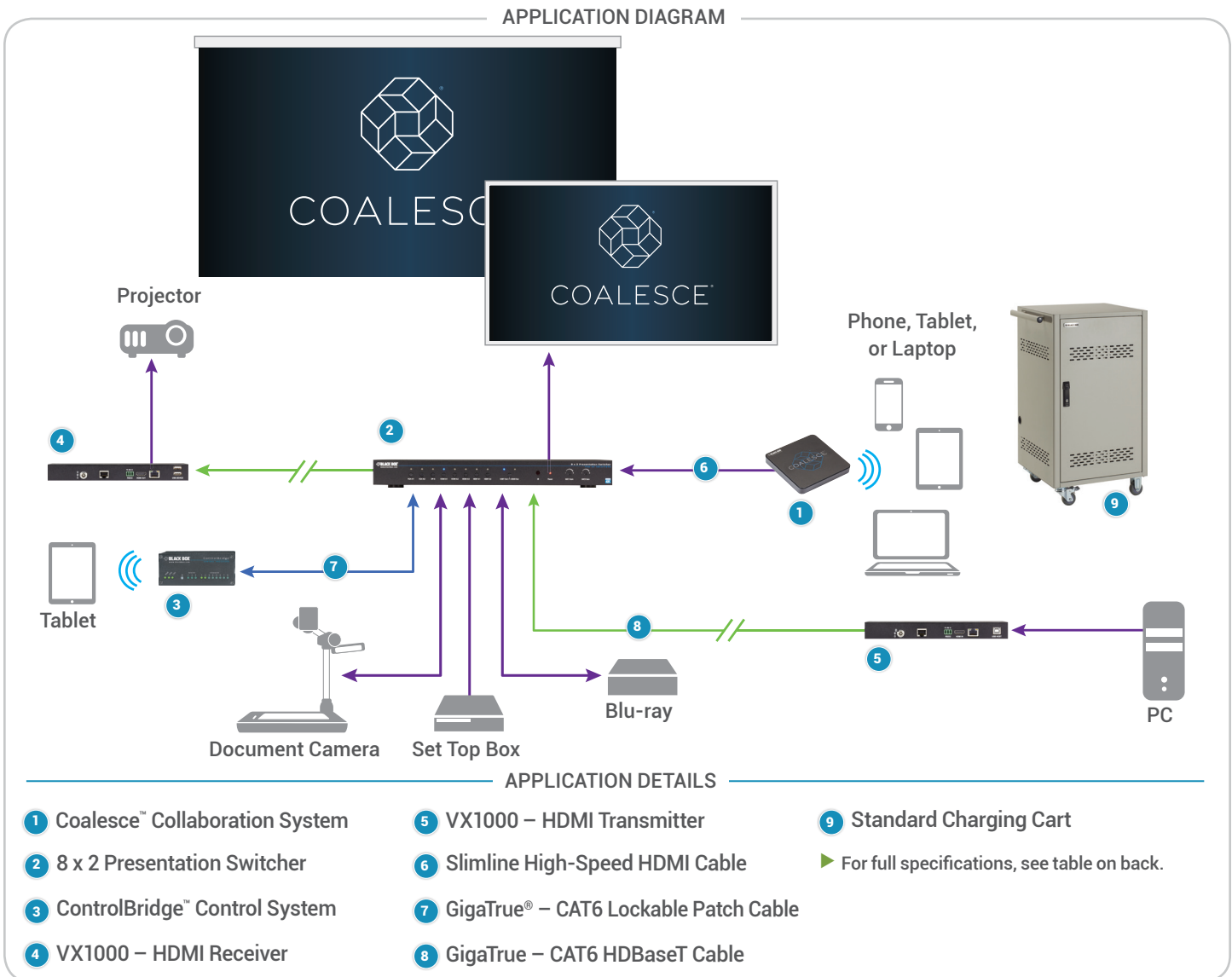
SMALL CLASSROOM SOLUTION: 1 DISPLAYS / 2-4 SOURCES

Product	Part #	Inputs	Outputs	Benefits
1 Coalesce Collaboration System	WC-COA	Unlimited (Wireless)	(1) HDMI	Wirelessly connect, share, and control unlimited content from any device with unlimited users. Compact device fits behind displays.
2 4 x 1 Presentation Switcher	AVSC-0401H	(1) DisplayPort (2) VGA (2) HDMI (1) Analog audio	(1) HDBaseT – RJ-45 (1) HDMI (shared) (1) Analog audio	Connect legacy analog video sources and new digital sources including HDMI and DisplayPort to the same system and extend the signal to a remote display. RS-232 and relay contact connections for control and management. Tally output for status indication.
3 Wallplate Control Panel, 8-Button	AVS-CTRL8	—	(3) RS-232 (1 and 2 shared w/ IR) (1) RS-485 (3) IR (2) Relay	Control AV equipment with RS-232, RS-485, IR, or relay control from push buttons. The panel fits into a standard single gang outlet box. Turn a display on/off, select channels on a TV, or switch inputs on a switcher. Includes IR emitter cable.
4 Slimline High-Speed HDMI Cable	VCS-HDMI-001M	—	—	Super flexible, ultra-thin cable, 3.2 ft. (1 m), for easier handling and installation. Included with Coalesce.
5 GigaTrue – CAT6 Lockable Patch Cable	C6PC70-GY-06	—	—	Premium, yet affordable cable, 6 ft. (1.8 m), for all network connections.
6 Standard Charging Cart	LCC30H-A	—	—	Charge, store, and transport up to 30 devices. Essential for the modern classroom, the cart has one-size-fits-all shelving, small footprint, and safety first design. Guaranteed for life.



EDUCATION SOLUTIONS

LARGE CLASSROOM: 1-2 DISPLAYS / 4-8 SOURCES



DESCRIPTION

Configuration for a larger room where 20 to 36 students and one teacher plus an additional teaching aide congregate to learn and share ideas.

CHALLENGE

Today's classrooms need to support various teaching methods which require support for a variety of input sources. This could include anything from PCs and set top boxes for streaming on-demand content to collaboration systems.

SOLUTION

Black Box's wireless collaboration system, Coalescence, enables users to share content from their PCs or mobile devices to the display. To address multi-use rooms, add a presentation switcher that enables multiple inputs and outputs. For easy system management, add Black Box's controller device, ControlBridge, which is accessible from the controller itself or a tablet. To charge, store, and transport laptops, tablets, and other devices, add a durable charging cart.



LARGE CLASSROOM SOLUTION: 1-2 DISPLAYS / 4-8 SOURCES

Product	Part #	Inputs	Outputs	Benefits
1 Coalesce Collaboration System	WC-COA	Unlimited (Wireless)	(1) HDMI	Wirelessly connect, share, and control unlimited content from any device with unlimited users. Compact device fits behind displays.
2 8 x 2 Presentation Switcher	AVSC-0802H	(3) HDMI (2) HDBaseT – RJ-45 (2) VGA (1) DisplayPort (2) Microphone (2) Stereo audio	(1) HDBaseT – RJ-45 (1) HDMI (1) Stereo audio	Connect legacy analog video sources and new digital sources including HDMI and DisplayPort to the same system. The presentation switcher can be back-racked and remote sources and displays connected up to 330ft. (100 m) over CATx cable. Premium, yet affordable cable, 6 ft. (1.8 m), for all network connections. RS-232, RS-485, and Ethernet connections for control and management. USB connections for KVM control.
3 ControlBridge Multisystem and Room Control System	CB-CP-100	—	—	Control the switcher, lower the screen, dim the lights, and share your presentation via the room projector or collaboration system, all with the press of a button. Ethernet connections for control and management.
4 VX1000 – HDMI Receiver	VX-1001-RX	(1) HDBaseT – RJ-45	(1) HDMI (2) USB (1) Ethernet (1) RS-232 (2) IR	HDMI extension of audio, video, USB, control, Ethernet, and power over a single CATx cable. Enables video extension up to 330 ft. (100 m) at 1080p.
5 VX1000 – HDMI Transmitter	VX-1001-TX	(1) HDMI (2) USB (1) Ethernet (1) RS-232 (2) IR	(1) HDBaseT – RJ-45	HDMI extension of audio, video, USB, control, Ethernet, and power over a single CATx cable. Enables video extension up to 330 ft. (100 m) at 1080p.
6 Slimline High-Speed HDMI Cable	VCS-HDMI-001M	—	—	Super flexible, ultra-thin cable, 3.2 ft. (1 m), for easier handling and installation. Included with Coalesce.
7 GigaTrue – CAT6 Lockable Patch Cable	C6PC70-GY-06	—	—	Premium, yet affordable cable, 6 ft. (1.8 m), for all network connections.
8 GigaTrue – CAT6 HDBaseT Cable	EYN871B-PB-1000	—	—	ETL-Verified and HDBaseT Recommended cable, 1000 ft. (300 m), ideal for top performance in long runs.
9 Standard Charging Cart	LCC36H-A	—	—	Charge, store, and transport up to 36 devices. Essential for the modern classroom, the cart has one-size-fits-all shelving, small footprint, and safety first design. Guaranteed for life.

ABOUT BLACK BOX

Black Box is a leading technology product solutions provider that helps customers build, manage, and optimize their networks. The company offers solutions for AV and multimedia, cabling, cabinets and racks, digital education, digital signage, networking, and high-performance KVM switching and extension. Recognized with numerous awards for quality, service, and innovation, Black Box provides its customers with free, pre-sale application engineering and 24/7 technical support. Black Box is ISO 9001:2008 certified. To learn more, visit BlackBox.com.

