



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.

EXPLORE AV EDUCATION SOLUTIONS



COLLABORATION

Coalesce™ enables wireless collaboration anywhere—classrooms, lecture halls, and meeting spaces of any size. Meet modern collaboration demands for today's key environments.



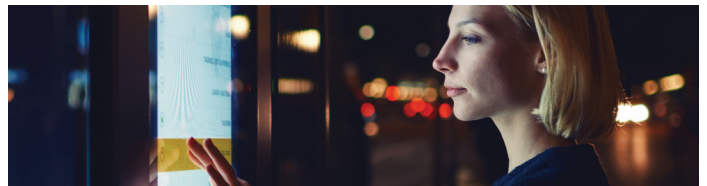
VIDEO SWITCHING & DISTRIBUTION

Manage any number of sources and destinations for your video, while you drive expert control over how video signals are processed and distributed to their destination over short and greater distances.



ROOM CONTROL & MONITORING

Control all IP-enabled devices in your room, and also monitor all of your room's systems with Black Box's real-time, extensive environment of controllers and alerting systems.



VISUAL COMMUNICATIONS

Make the most of your displays when they're not being used by your teams. Our networked digital signage system offers you the flexibility to deliver the right message to your audience.



INFRASTRUCTURE

Whether you want cabling or cabinets, our extensive product portfolio can meet the need. And our experts can assist with pre-configuration and training along with FREE application and engineering support.



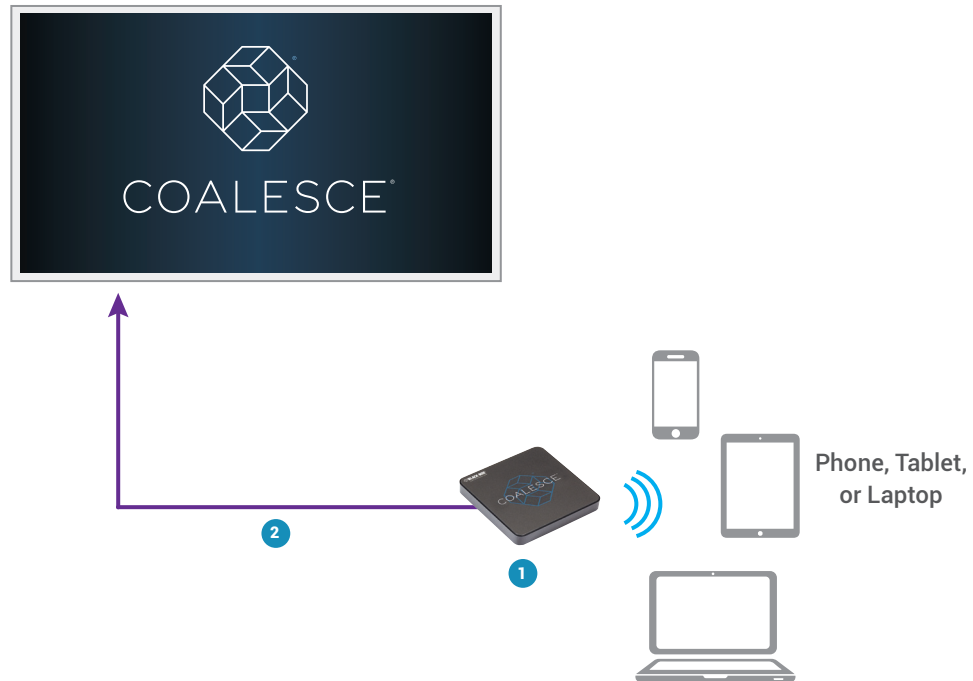
MOBILE DEVICE STORAGE & CHARGING

Charge, store, sync, manage, and transport Chromebook™ laptops, iPad® tablets, and other mobile devices with Black Box's line of award-winning, guaranteed-for-life carts, lockers, and cabinets.

EDUCATION SOLUTIONS

HUDDLE SPACE: 1 DISPLAY / 1 SOURCE

APPLICATION DIAGRAM



APPLICATION DETAILS

1 Coalesce™ 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 2-6 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, Coalesce, enables users to contribute and provide content from their mobile devices to the display.

Huddle Space Solution: 1 Display / 1 Source

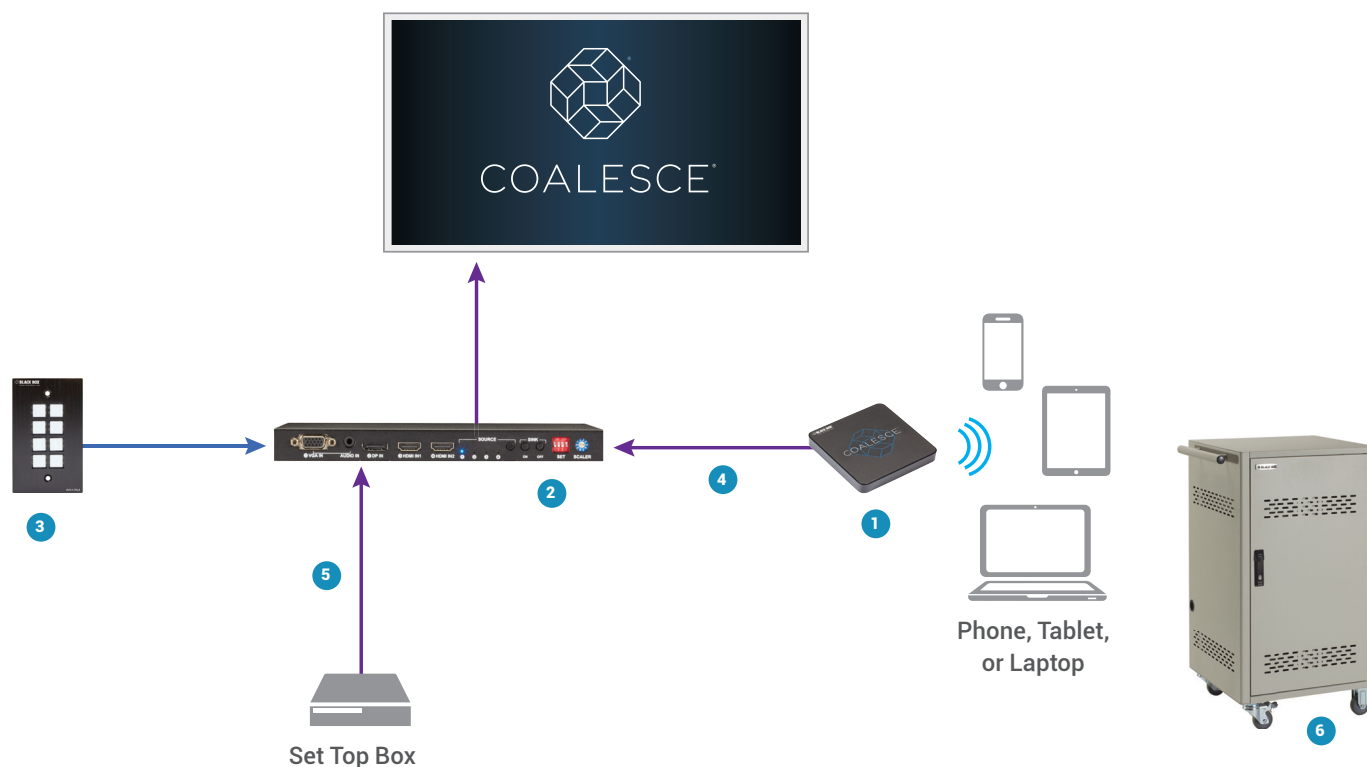
Product	Part #	Inputs	Outputs	Benefits
1 Coalesce Collaboration System	WC-COA-I	Unlimited (Wireless)	(1) HDMI	Wirelessly connect, share, and control unlimited content from any device with unlimited users. Compact device fits behind displays.
2 Slimline High-Speed HDMI Cable	VCS-HDMI-001M	—	—	Super flexible, ultra-thin cable, 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 10-20 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

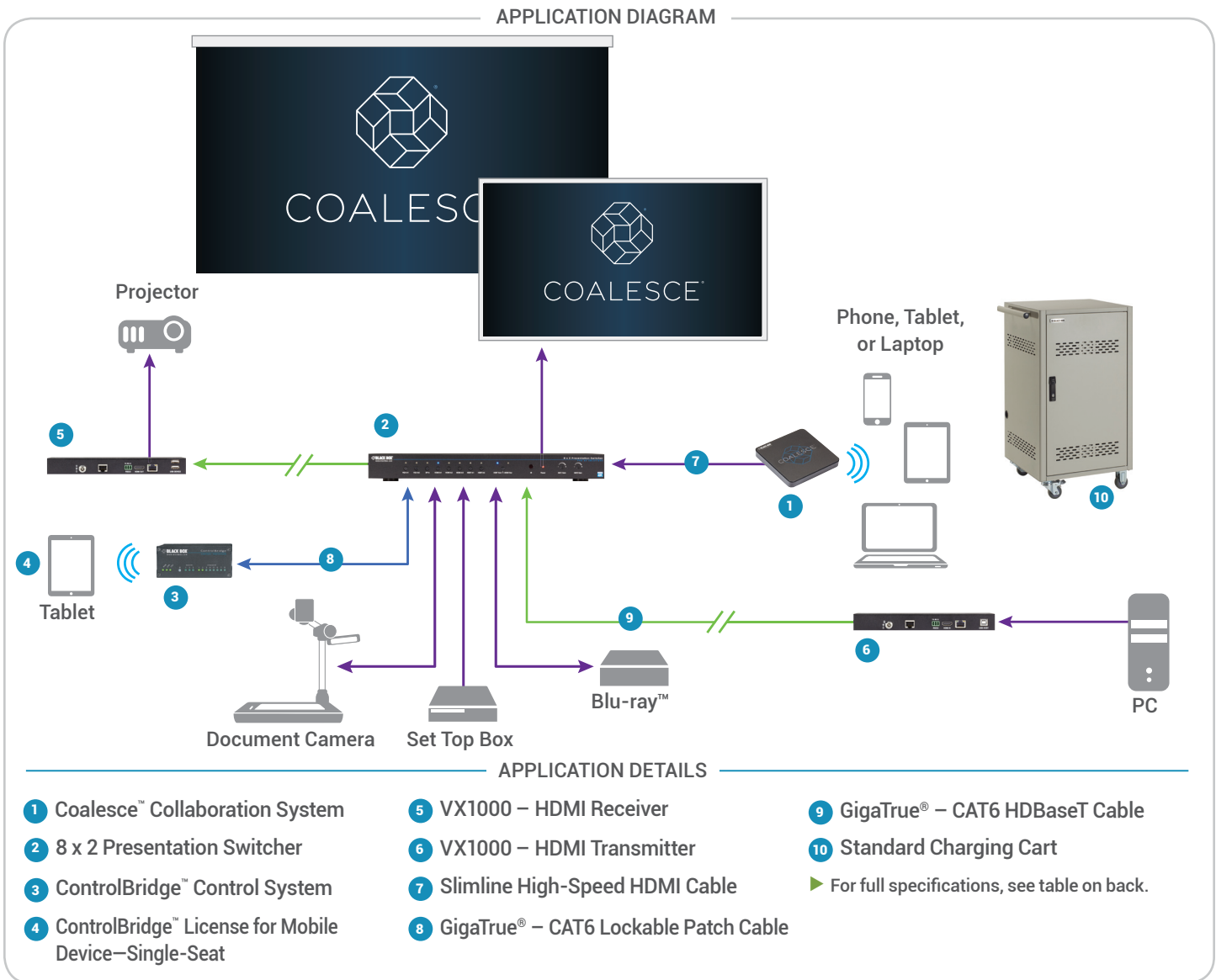
Black Box's wireless collaboration system, Coalescence, enables users to contribute and provide content from their PC or mobile devices to the display. To address multi-use rooms with multiple inputs, simply add a presentation switcher and sleek wallplate panel to control the switch. To charge, store,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

SMALL CLASSROOM SOLUTION: 1 DISPLAY / 2-4 SOURCES

Product	Part #	Inputs	Outputs	Benefits
1 Coalesce Collaboration System	WC-COA-I	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. Includes IR emitter cable.
4 Slimline High-Speed HDMI Cable	VCS-HDMI-001M	—	—	Super flexible, ultra-thin cable, 1 m, for easier handling and installation. Included with Coalesce.
5 GigaTrue – CAT6 Lockable Patch Cable	C6PC60-GY-02M	—	—	Premium, yet affordable cable, 2 m, for all network connections.
6 Standard Charging Cart	UCCSM-12-24H	—	—	Charge, store, and transport up to 24 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 20-36 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, for control from 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-I	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 100 m over CATx cable. Premium, yet affordable cable, 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-CP100	—	—	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 ControlBridge License for Mobile Device – Single Seat	CB-APP-LIC	—	—	Use your phone, tablet or PC as a Control Bridge control panel.
5 VX1000 – HDMI Receiver	VX-1001-RX	(1) HDBaseT – RJ-45	(1) HDMI (2) USB (1) Ethernet (1) RS-232	HDMI extension of audio, video, USB, control, Ethernet, and power over a single CATx cable. Enables video extension up to 100 m at 1080p.
6 VX1000 – HDMI Transmitter	VX-1001-TX	(1) HDMI (2) USB (1) Ethernet (1) RS-232	(1) HDBaseT – RJ-45	HDMI extension of audio, video, USB, control, Ethernet, and power over a single CATx cable. Enables video extension up to 100 m at 1080p.
7 Slimline High-Speed HDMI Cable	VCS-HDMI-001M	—	—	Super flexible, ultra-thin cable, 1 m, for easier handling and installation. Included with Coalesce.
8 GigaTrue – CAT6 Lockable Patch Cable	C6PC60-GY-02M	—	—	Premium, yet affordable cable, 2 m, for all network connections.
9 GigaTrue – CAT6 HDBaseT Cable	EYN871B-PB-1000	—	—	ETL Verified and HDBaseT Recommended cable, 300 m, ideal for top performance in long runs.
10 Standard Charging Cart	UCCSM-12-36H	—	—	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.eu.

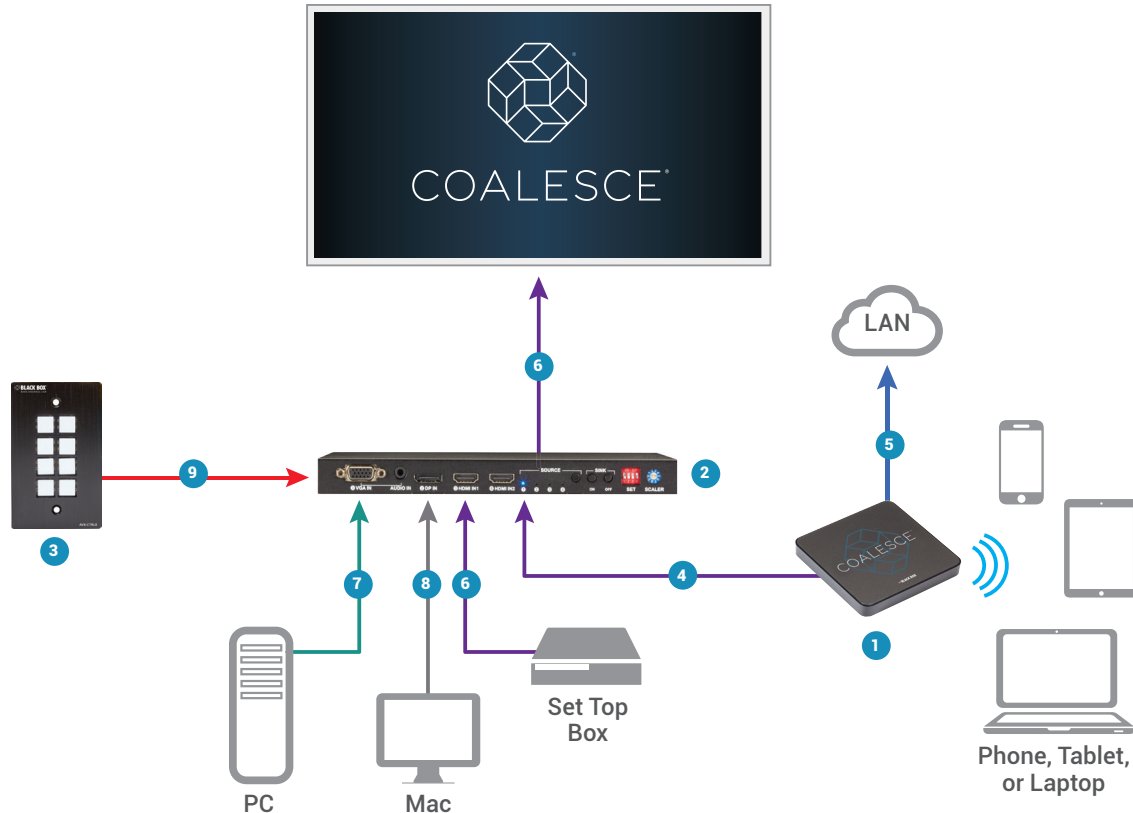


EDUCATION SOLUTIONS

SMALL CONFERENCE/TRAINING ROOM KIT

CONF-2C-KIT-EU

APPLICATION DIAGRAM



KIT COMPONENTS

- | | | |
|-------------------------------------|--|---|
| 1 Coalesce™ Collaboration System | 5 GigaBase® 3 – CAT5e Lockable Patch Cable | 9 Bulk Standard RS-232 Cable |
| 2 4 x 1 Presentation Switcher | 6 High-Speed HDMI Cable | 10 Free Pre-Configuration |
| 3 Wallplate Control Panel, 8-Button | 7 VGA Video Cable | ► For full specifications, see table on back. |
| 4 Slimline High-Speed HDMI Cable | 8 DisplayPort Cable | |

DESCRIPTION

Create a technologically modern and integrated training space where typically up to 10 students congregate to share ideas and collaborate. Kit includes everything you need including wireless collaboration system, presentation switcher, a control panel, and even cables. **The kit comes fully pre-configured with standard or even individual settings. No programming knowledge is required.**

CHALLENGE

Today's training rooms and classrooms need to support various teaching methods, which require support for a variety of input sources.

SOLUTION

Black Box's wireless collaboration system, Coalesce, enables users to wirelessly share content from their PC or mobile devices to the display. To address multi-use rooms with multiple inputs, the presentation switcher and sleek wallplate control panel enable easy and seamless switching from any wired source. Black Box's switcher mounts easily under a table and offers built-in scaling and optional HDBaseT extension for outputs. The control panel is preprogrammed and enables users to select sources, turn a display on or off, or mute audio.



SMALL CONFERENCE/TRAINING ROOM KIT: CONF-2C-KIT-EU

Product	Individual Part #	Inputs	Outputs	Benefits
1 Coalesce Collaboration System	WC-COA-I	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) RS-232 (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, Table Top Box	AVS-CTRL8, WP-T1GB	—	(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. Turn a display on/off, select channels on a TV, or switch inputs. Includes IR emitter cable. The panel is coming mounted into a single-gang Table Top Box.
4 Slimline High-Speed HDMI Cable	VCS-HDMI-001M	—	—	Super flexible, ultra-thin cable, 1 m, for easier handling and installation. Included with Coalesce.
5 GigaBase 3 CAT5e Lockable Patch Cable	C5EPC70-BK-06	—	—	Premium, lockable cable, 1.8 m, for a network connection.
6 High-Speed HDMI Cable	VCB-HDMI-002M	—	—	(2) premium high-speed HDMI cables, 2 m, for connecting PCs, set-top boxes, and other HDMI equipment.
7 VGA Video Cable	EVNPS06B-0010-MM	—	—	A premium cable (3 m) for connecting an older PC with a VGA connector to the Presentation Switcher.
8 DisplayPort Cable	VCB-DP-0006-MM	—	—	Transmit both digital video and audio in one cable, 1.8 m.
9 Bulk Standard RS-232 Cable	ECN04A-0050	—	—	Standard RS-232 cable, 15.2 m, for connecting the Wallplate Control Panel to the Presentation Switcher.
10 Free Pre-Configuration	—	—	—	With a fully pre-configured, labeled panel with standard or even individual settings, the kit is ready to work.

