



ScreenBeam Classroom Commander

Wireless Orchestration for Windows 10
Classrooms with Interactive Touch

Interactive learning thrives in the modern classroom. ScreenBeam Classroom Commander is an easy-to-use orchestration system for Windows 10 classrooms, that also delivers classroom agility.

By combining wireless display connectivity with premium orchestration functionality, ScreenBeam Classroom Commander improves lesson flow and collaboration by untethering teachers from the classroom display. Now teachers can move freely and interact with students without interrupting instruction. Constructive feedback is made easy with support of Windows Ink and touchback, allowing teachers to annotate directly onto a student screen from the classroom display—even when student devices are not enabled.

Benefits

Teachers easily manage student devices to guide learning and ensure students stay on task and learn at the same pace—without increasing complexity or requiring in-depth training.



ScreenBeam
Classroom Commander

CATALOG NUMBER

SBCC01L

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Classroom Agility Enables Proximity Control

Untether teachers to move and interact with the lesson being displayed, making it easy to monitor student reaction and understanding. By enabling proximity control teachers can identify issues quickly, and help off-task students refocus. With teacher permission, students show their work right from their desks or untether from the system and present live at the classroom display. And it's all done quickly and easily, so teachers make the most of valuable instructional time.

Interactive Learning Enhances Student Outcome

Provide constructive feedback using touchback and Windows Ink. Teachers can annotate comments and questions directly onto the student screen from the classroom display—even when student devices are not touch-enabled. Engage students by supplementing core curriculum with interactive online content and digital learning materials. Popular apps such as Skype in the Classroom, OneNote, FluidMath and LifeLiqe are easier to implement without the constraints of wires.

Student Device Management Made Easy

View student screens and active applications in real time, or preview a student screen before sharing to ensure the content is appropriate for the class. Whether a single student is distracted, or the entire classroom needs to focus, teachers can blank an individual student or all screens instantly for “eyes up front”. Guided learning is made easier when teachers can drive URLs and apps across all student screens, and monitor student progress with the ability to private message single students or groups.

Advantages

Teacher and student can present from anywhere in the classroom

Interactive and collaborative environment

Private, in-class network-saving school bandwidth

Real-time updates on student screen activity

Teachers have full command over student devices

High performance, robust connectivity

Includes CMS for remote management by IT



Features

ScreenBeam Classroom Commander creates an in-room hub for wireless connectivity that is automated, extremely easy to use and optimizes instructional time. Enabled with the latest Miracast™ technology, each teacher and student device gets a dedicated point-to-point connection to the classroom display, saving valuable school bandwidth, and eliminating the need for expensive on-premises servers and infrastructure.

- Teacher and student agility
- Wirelessly present teacher screen when ready
- Preview student screen before displaying
- Windows Ink and touchback support
- Real-time student screen and application monitoring
- Command attention (blank screens and lock keyboards)
- Launch browser to designated URL or app
- Message individuals or groups
- Reduce communication latency between teacher and student devices
- Compatible with Windows 10 and 10 S devices



Technical Specifications

Compatibility

Windows 10 (Pro/Edu/S) device with Miracast wireless display

Requirements

- ScreenBeam 960 receiver
With latest update to support Classroom Commander (9.23.x.x)
- ScreenBeam Central Management System (CMS, included with the ScreenBeam 960)
- Display TV/Projector with available HDMI/VGA port
Interactive display/projector with USB HID is required to support wireless touch/ink back
- Microsoft Store (for Classroom Commander app on teacher and student devices)
- Open Non-DFS 5GHz wireless channel (Optional)

System Requirements

Minimum		Recommended	
Teacher Device		Teacher Device	
OS	Windows 10 Pro/Edu/Ent/S (64-bit)	OS	Windows 10 Pro/Edu/Ent/S (64-bit)
CPU	Fourth generation Intel Core i3 or AMD equivalent	CPU	Fourth generation Intel Core i5 or AMD equivalent, or better
Wireless	802.11AC dual-band 2x2	Wireless	Intel dual-band wireless AC 726x or better
Memory	4 GB	Memory	4 GB or more
HD Space	150 MB	HD Space	300 MB or more
Student Device		Student Device	
OS	Windows 10 Pro/Edu/Ent/S (64-bit)	OS	Windows 10 Pro/Edu/Ent/S (64-bit)
CPU	Intel Celeron N3010 or AMD equivalent	CPU	Intel Celeron N3060 or AMD equivalent, or better
Wireless	802.11AC dual-band 2x2	Wireless	Intel dual-band wireless AC 726x or better
Memory	2 GB	Memory	4 GB or more
HD Space	150 MB	HD Space	300 MB or more

ScreenBeam 960 Specifications

Video	H.264; supports up to 1080p30 resolution
Audio	LPCM; stereo 2.0
A/V Interface	HDMI; VGA out; VGA in (pass-through); 3.5mm audio
Ethernet	10 x 100 RJ-45
Wireless	P2P: 802.11ac dual-band 2x2 CMS/Client: 802.11n dual-band 2x2
I/O Connector	DC power jack; USB 2.0 type A
Power	Input: 5V/2A; Consumption: <5W



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Industry Leader

ScreenBeam wireless display is the only solution that truly enables commercial deployment of secured and IT manageable wireless display. ScreenBeam wireless display is the industry standard for benchmarking and device interoperability, making it the most broadly compatible solution available. ScreenBeam solutions are used as the validation platform for wireless display functionality by companies like Microsoft, Intel, and leading PC OEM and device companies.

Actiontec is Microsoft's co-engineering partner for wireless display technologies in Windows. Because of Actiontec's status as the industry leader, and our ongoing investment in supporting industry device manufacturers, you can be assured that you're deploying the most broadly compatible, feature-rich wireless display platform.

