

Meeting the Requirements for a

Classroom AV System

Choosing the right AV system for an education environment is tough. Students' expectations for connectivity and the standards of what you need to provide increase every year, but the reality of AV systems makes success a moving target.

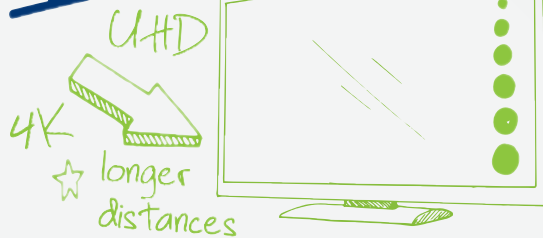
EXPECTATIONS



Problem: Keeping up with convenience and performance of home and commercial networks

Solution: AV system with simple controls, easy connection, and HD signal extension

DEMANDS



Problem: Meeting high-definition technology requirements while maintaining ease of operation

Solution: Active HDBaseT extension using Category cable links and IR control

ATTENTION



Problem: Complex equipment malfunctions, resets, and user errors can waste an entire class period

Solution: Simple systems with few components enable dependable, instant BYOD, content sharing, and collaboration

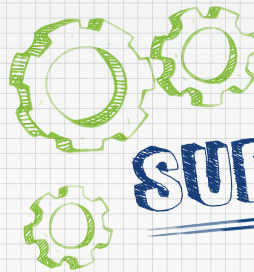
USEABILITY



Problem: Daily use from teachers, staff, parents, students, and after-school groups

Solution: Install simple-to-operate system with durable, fixed location push button panel

SUPPORT



Problem: School IT staff is rarely trained to support AV systems

Solution: Basic plug-and-play systems do not require programming or complex updates and maintenance

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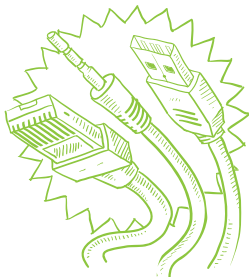
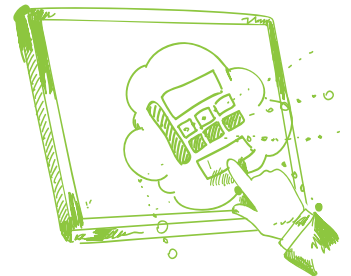


School Cabling Infrastructure

Passive cables and older analog cabling infrastructure found in many schools can limit the performance of classroom AV systems. Upgrading to HDMI high-definition signals greatly enhances the student experience. HDBaseT™ technology offers the capability to move up to HDMI signals using standard Category cable infrastructure. Leviton recommends Cat 6A UTP category-rated cable with alien crosstalk prevention technology to consistently deliver reliable video signal performance without the need to bond and ground a shielded system, and without the concern that future network changes will result in degraded performance. No other UTP cable option reliably supports high-definition AV signal integrity over long distances in crowded cable pathways while offering simple installation, maximum longevity, and easy upgradability.

AV System Design

A simple AV system design has minimal components, a lower initial purchase price and installation cost, and reduces the total maintenance and upgrade budget. A simplified design offers school administrators the flexibility to add components that meet the needs of their teaching staff and students now, as well as the ability to predict and control the classroom technology budget long-term. It also reduces end-user confusion for a better user experience.



AV System Set-Up

An uncomplicated plug-and-play AV system is the best solution for a classroom environment. Plug-and-play AV systems offer straightforward installations, stress-free set-ups, and cost-effective technology upgrades. Leviton IT/AV solutions are designed for optimal functionality with a limited number of components that are easy to set up and maintain, with no programming required.

Leviton IT/AV Systems for classrooms feature intuitive interfaces, instant-on feedback, and fast connectivity.

← Control Systems

Simple to Operate

↑ Plug-and-Play

↑ Active Extension

To learn more about AV system design for classrooms, visit Leviton.com/ITAV.