

# AV AND AUTOMATION FOR K-12 CLASSROOMS



For over 30 years Hall Research has been making AV systems designed for easy installation for being operational right out of the box. From basic extension to switching and scaling, our products can fit every need and budget.

For example, the UHBX-SW3 is an auto-switching wall-plate with multiple inputs (VGA, HDMI, MHL) and a compact receiver that can be up to 500 ft away. The only connection to the wall-plate is just a single Cat6 cable. It can automatically detect video input, switch to it, and turn the projector on and off! The user can also select the input or power the display manually. The wall-plate has push buttons for manual operation, or simply plug in an external keypad.



CELEBRATING **30** YEARS OF INNOVATION

[www.hallresearch.com](http://www.hallresearch.com) 714.641.6607

# VGA / HDMI / MHL AUTO-SWITCHING WALL PLATE WITH HDBaseT™

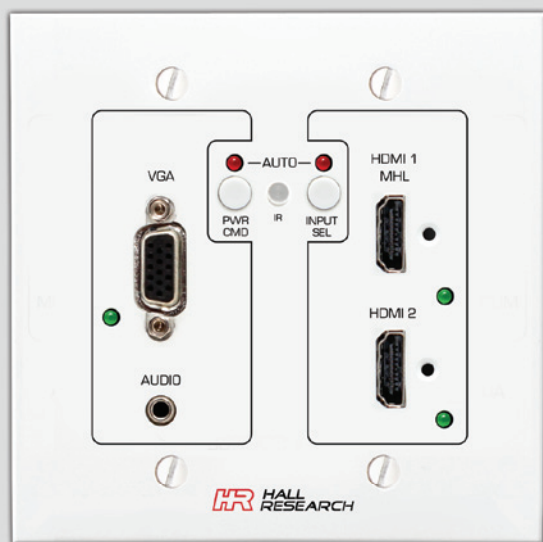
## AV SWITCH-CAT The Single-Cable Auto-Switching Wall Plate

The UHBX-SW3 is a kit comprised of a multi-input wall-plate and an HDBaseT® receiver. The wall plate accommodates 1 VGA and 2 HDMI inputs. It also supports MHL (Mobile High-Definition Link) with phone-charging feature to allow video presentation from a smart-phone using just a passive cable. VGA input accepts virtually all PC and HD resolutions and is automatically scaled to 1080p (user-selectable) to provide maximum compatibility with all PC's and notebooks. Users can select inputs manually or automatically based on signal detection with user definable priority.

There is an IR detector built into the wall plate to extend IR signals. For the advanced users the system allows defining RS232 or IR codes for controlling the remote display. Display on/off commands can be set to automatic (based on video detection), or manual. The receiver can be located upto 150m (500 ft) away, and the only connection to the wall plate is a single Cat6 cable. Power is delivered to the wall-plate using PoE/PoH standard and the system complies with the HDBaseT® specifications and is compatible with all compliant PSE receivers including Crestron's DM series switchers.

### UHBX-SW3

Kit includes: Wall plate and Receiver



**UHBX-SW3-WP**  
Sender & Wall Plate

- Inputs handle VGA, Component, HDMI and MHL
- Programmable IR and RS232 commands for display on/off control
- Supports all HDMI resolutions including 4K (UHD)
- No power supply required (powered through Cat6 cable from the receiver)
- Uses only one Cat6
- Distance to 500 ft (150m) at 1080p, or 330 ft (100m) at 4K resolution

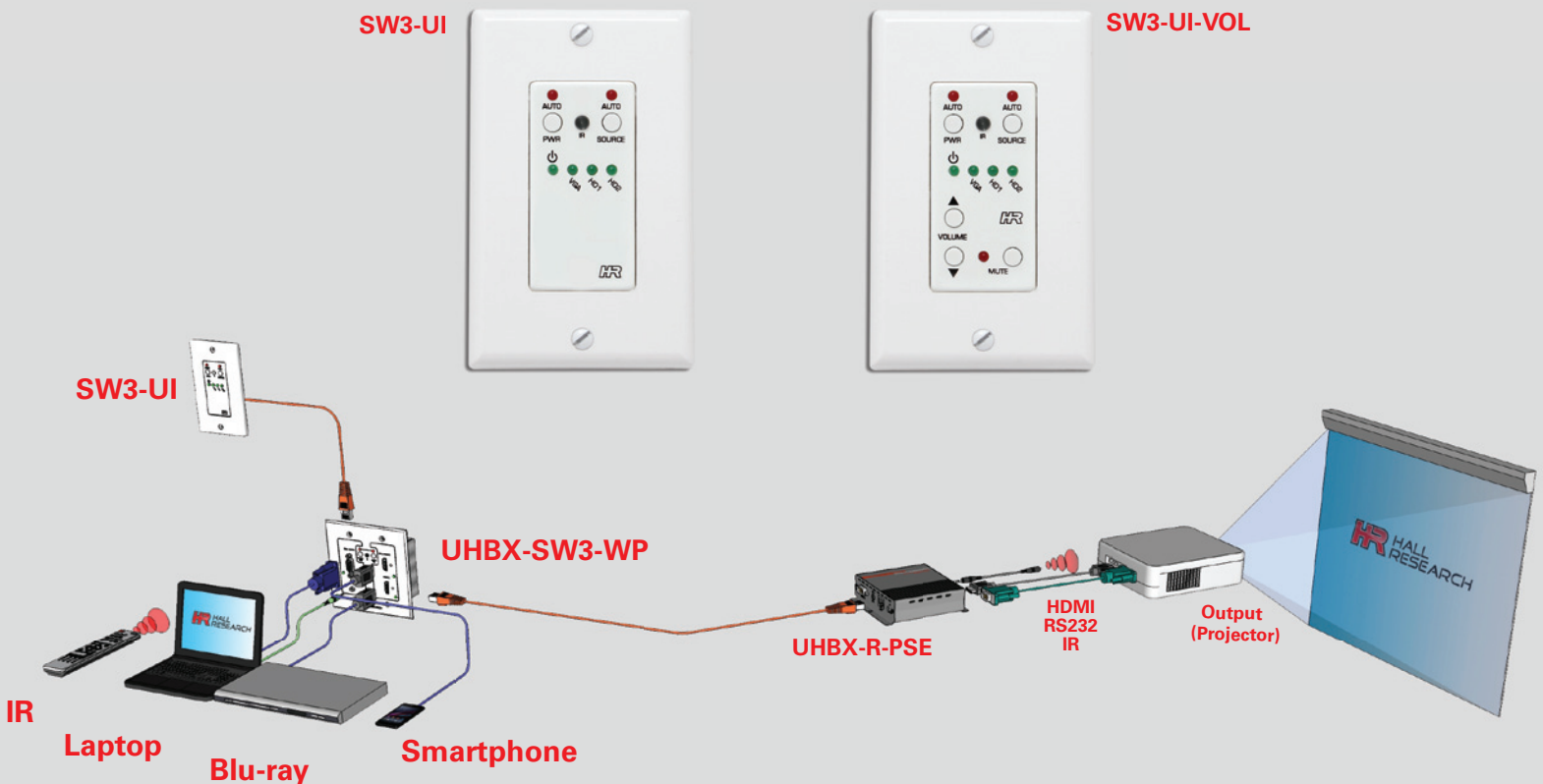


**UHBX-R-PSE**  
Receiver

# ACCESSORIES

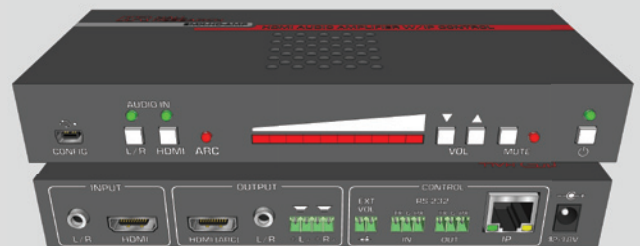
## Add remote control using auxiliary keypad

The SW3-UI and the SW3-UI-VOL are auxiliary control keypads that can be plugged to the UHBX-SW3-WP using a single Cat5 cable. These single-gang keypads allow the user to see which input is currently selected and status of the display power command sent (ON or OFF). When in manual mode the user can use the push buttons on the auxiliary keypad to select inputs or to turn the display on and off. The buttons can also be used to make power and input control automatic (Auto LEDs will indicate the mode). For those users that have a display which has a controllable variable line output (with volume and mute control), or a compatible audio amp with RS232 volume control (for example EMX-AMP shown below), the SW3-VOL provides 3 additional buttons (Volume up/down, and mute).



## Add 50 watt HDMI audio amp (with line input mix)

The EMX-AMP can be inserted in the HDMI output path to provide audio amplification to drive two or four 8 Ohm speakers directly. The Amp provides a separate audio input that can be either switched or mixed. It can be controlled via RS232 and IP (with IP option). It also provides a second RS232 for controlling other devices.

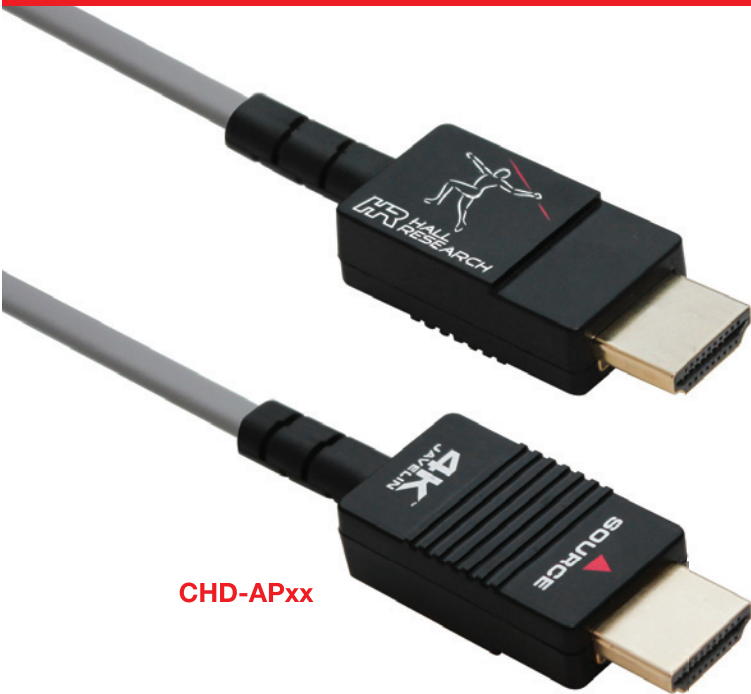


EMX-AMP

EMX-I-AMP (with IP option)

# 4K JAVELIN™ ACTIVE PLENUM HDMI CABLE

## UP TO 330 FT!



CHD-APxx

- Available in various lengths from 33 ft (10m) to 330 ft (100m)
- Supports all HDMI and DVI resolutions including 4K UHD
- Thin flexible and lightweight (only 12 oz for 50 ft cable)
- Hybrid Fiber / Copper Cable Construction
- Plug and Play, No Power Supply Required

Hall Research 4K Javelin™ Active Plenum HDMI extension cables utilize the latest in optoelectronics to send HDMI signals to 330ft with zero loss. The HDCP compliant cables also support DDC and CEC for a truly plug-and-play experience.

*Add passive HDMI wall plates and go through walls and plenum spaces.*

