

Modular Matrix Switching for HDTV Signals



HLX SERIES MODULAR MATRIX SYSTEM



- Up to 12 HD video and audio source inputs
- Capacity for 64 Cat 5 zone outputs
- Dual Cat 5 zone receivers deliver HD signals up to 1,000 ft. from the source
- Compatible with Ethernet, serial or IR control
- Open control architecture integrates seamlessly with third-party control systems

FEATURES:

- Matrix distribution for HDTV signals on two Cat 5 cables
- Three Cat 5 zone receiver options to match any installation scenario (sold separately)
- Analog audio zone cards offer advanced digital signal processing for whole-house audio control
- Ethernet and serial commands available to work with any automation system, and the IR code set may be downloaded for IR systems
- Touch sensitive front panel controls
- Breakaway switching (switch video and audio independently)
- Integrated 2-way IR routing system
- PC-based setup and USB firmware updates
- Industrial grade modular power supply

HD Matrix Signal Distribution

The **HLX Series** is an HDTV matrix platform that delivers component video, digital audio and analog stereo signals for distributed AV systems. Built on Audio Authority's innovative balanced line architecture, along with our Active Gain Equalization (AGE) technology, the HLX transmits HD signals up to 1,000 feet over Cat 5e/6 cables while preserving high definition signal clarity and vibrancy.

Modular Architecture

HLX features a flexible card-and-cage design with an ultra-high bandwidth backplane supporting up to 12 sources and 64 zones. Design your own custom configuration using our easy on-line configurator.

Customizing HLX

Each **HLX** configuration arrives assembled and tested, ready to install right out of the box with virtually no setup required for basic functionality. Using our simple PC setup software, integrators can quickly perform advanced setup tasks such as zone/source lockout, and source and zone labeling. "Favorites" can be designated for specific scenes, such as game night, daytime, or movie night. "Groups" are useful for such tasks as switching all downstairs zones to a certain source, for example. All settings can be backed up to a USB flash drive.

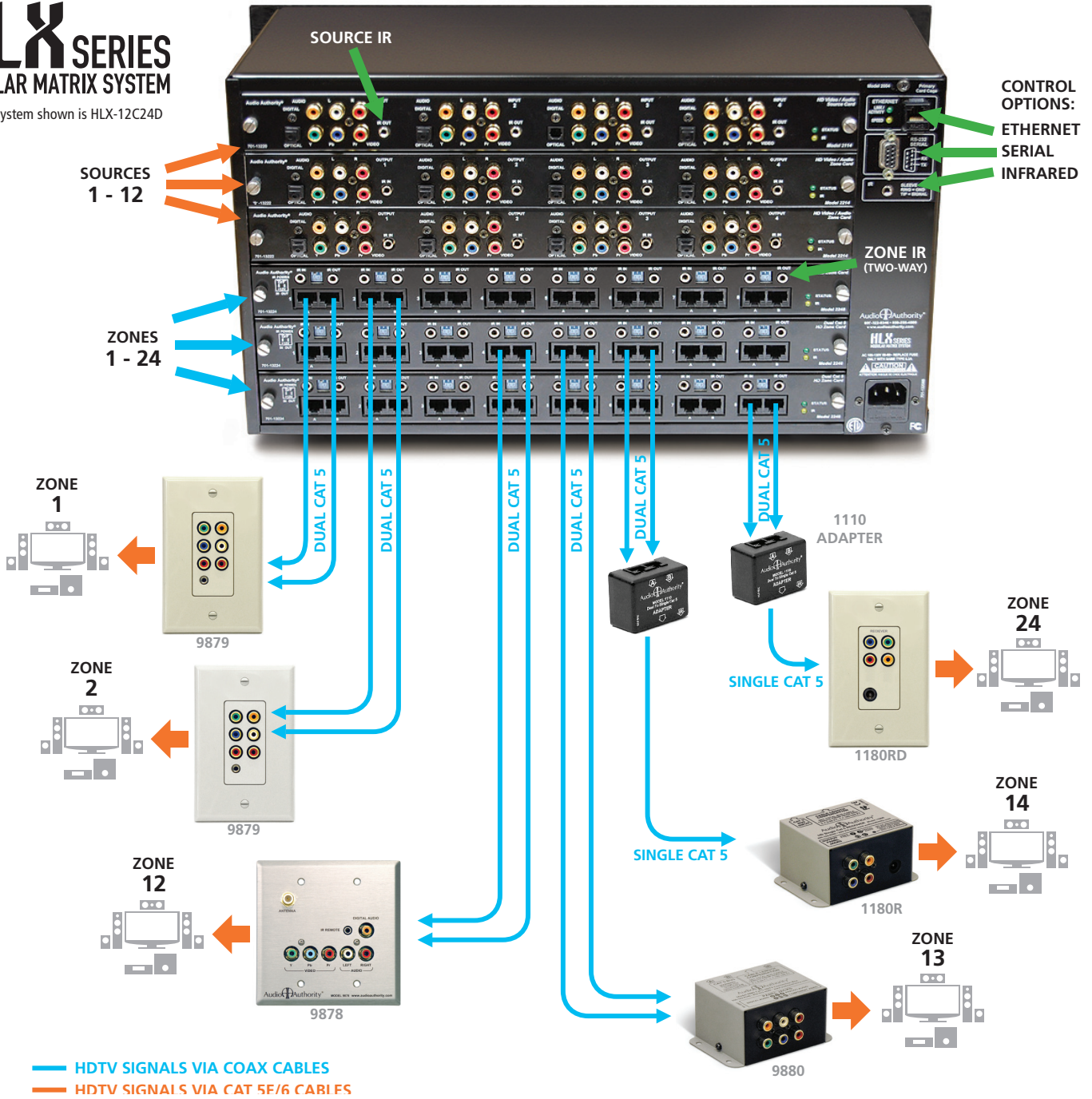


DROP-IN COMPATIBILITY

HLX uses our standard Cat 5 zone receivers, so previous installations are easy to upgrade to increase the number of sources and/or zones.

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Example system shown is HLX-12C24D



HLX-12C24D SPECIFICATIONS:

Video Signal Type: YPbPr component video
 Video Formats: 480i/p, 540i/p, 720p, 1080i/p
 Video Input/Output Impedance: 75 ohms
 Video Input Ground Isolation: No
 Video Gain: 1
 Video Gain Accuracy: 2.00%
 Video 3dB Bandwidth: 100MHz
 Video Input Coupling: AC
 Video S/N Ratio: 70dB
 Max Video Gain/Equalization 40dB Equalization
 Analog Audio: Left and right stereo

Digital Audio: Multi-channel digital
 Digital Input/Output: Optical & coaxial in/out
 Audio Input Impedance: 75 ohms/ 50K ohms
 Audio Frequency Response 10-50KHz
 Audio S/N Ratio 60dB
 Audio THD & Noise 0.05%
 Size (H x W x D): 10.25" x 19" x 8"
 Power Requirement 100-125VAC, 50-60Hz, 2.0A
 Warranty: One year, parts and labor
 Agency Approvals ETL, FCC

Call for information on available configurations