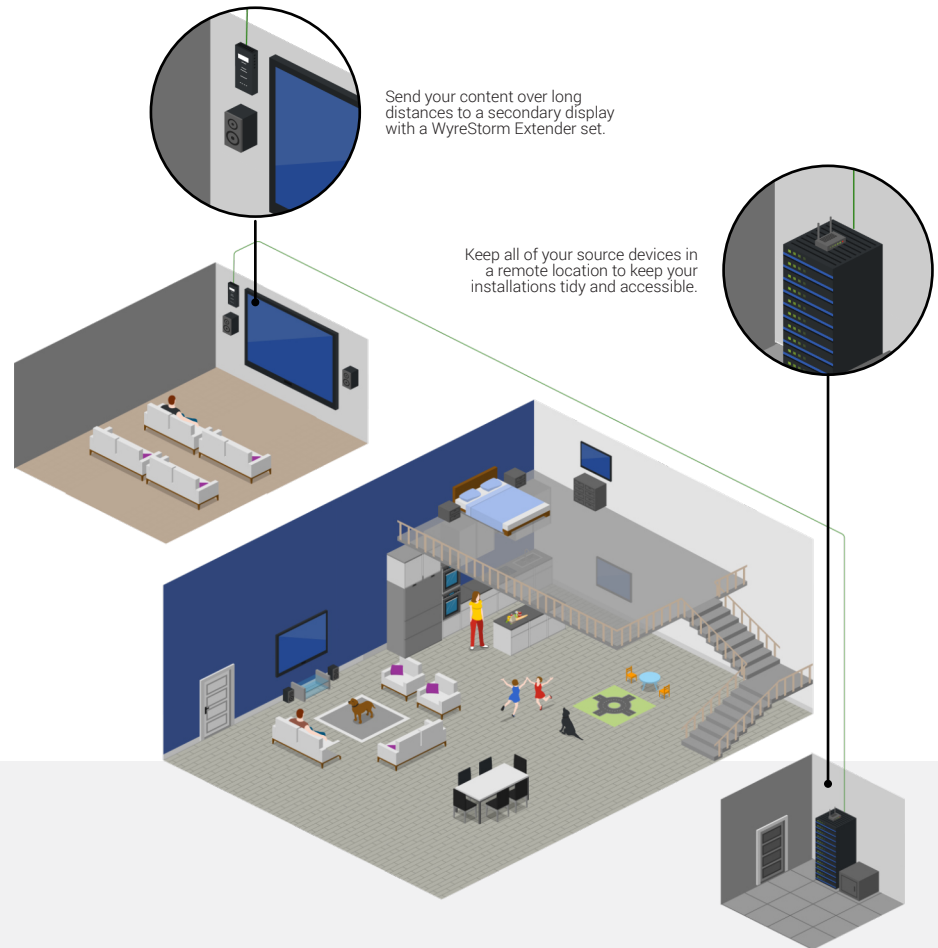# RESIDENTIAL
SOLUTIONS GUIDE

WyreStorm®

RESIDENTIAL HOMES

WyreStorm understands that a Residential Audio/Video system must be discreet, easy to install and easy to use. Upgrading an existing AV system or installing a new one can be daunting, but we're here to help. WyreStorm specializes in providing innovative single platform and hybrid technology solutions, helping to minimize system complexity and maximize connectivity and functionality. With many products specifically designed with tight spaces in mind, your interior design will never be impacted by unsightly cables and black boxes.

POINT-TO-POINT SIGNAL EXTENSION

Point-to-point signal extension does exactly what it says: take your audio and video content from location A and send it to location B. Many of our Extenders support up to UltraHD content, giving everyone watching the clearest image possible. If you don't need UltraHD, we've got you covered; with five different Extender Series available, WyreStorm can give you the most bang for your buck with a fully customized solution.

Send your content over long distances to a secondary display with a WyreStorm Extender set.

Keep all of your source devices in a remote location to keep your installations tidy and accessible.
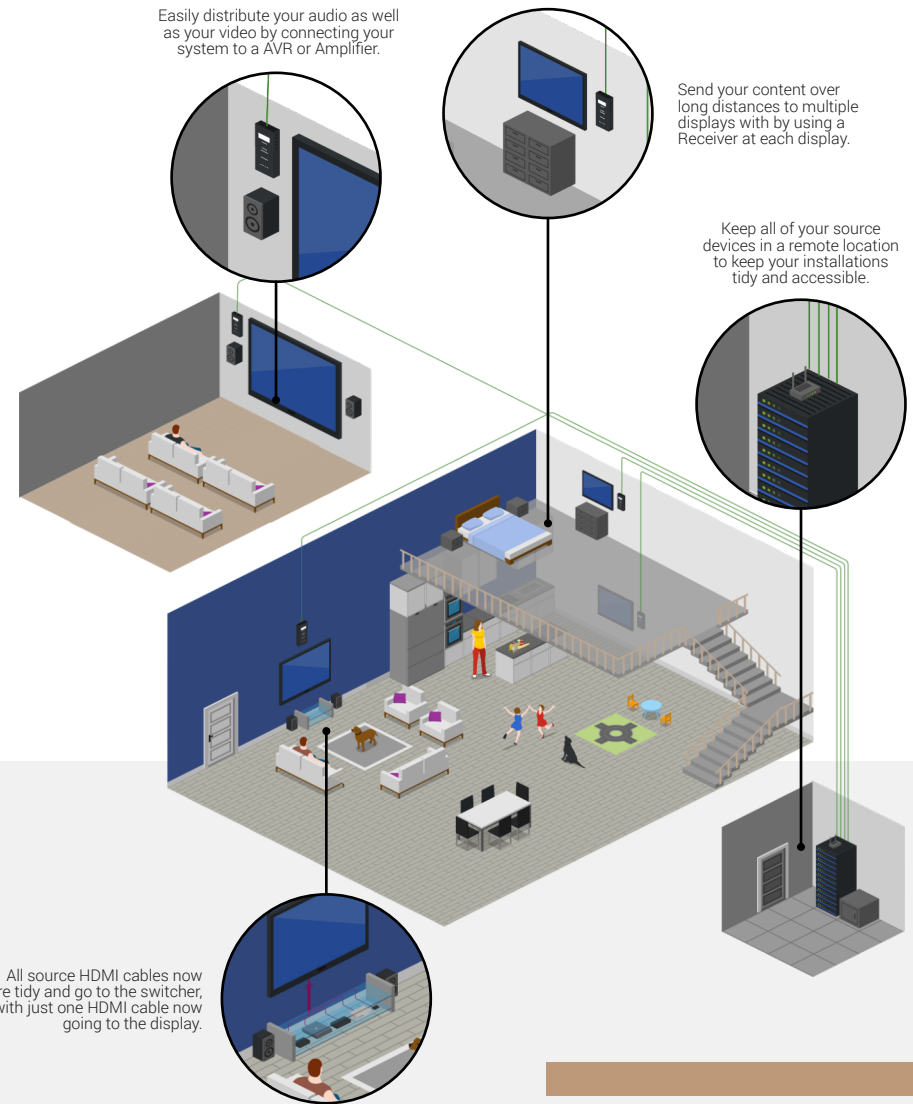
HDBASET MAKES OPPERTUNITIES

Just about every WyreStorm Extender uses HDBaseT technology. HDBaseT technology allows us to economically send high-quality video up to 328ft (100m). That's almost as long as an American football field! HDBaseT technology relies on low-cost infrastructure without compromising performance, reducing not only installation but also maintenance costs. It requires just a single cable to send AV information – minimizing clutter. You can even power the Extender with HDBaseT, eliminating the need for electrical cables and outlets near all of the devices.

MULTI-POINT AV DELIVERY

Do you have too many sources in your entertainment unit for your display to handle? Need to transmit your audio and video content from location A, to locations B, C, D and E? WyreStorm's Matrix solutions make it easy. We've channeled our extensive experience in signal distribution into our unique 2K and 4K matrix offerings. Different matrix switchers use different technologies so solutions can cater for all your residential distribution needs.

Dependent on your install, different Matrix solutions can help you achieve your goal. HDMI Matrix solutions offer local source content switching for small to medium installations, with the option to expand using Hybrid Active Optical cables. HDBaseT solutions allow for larger installations to be achieved with up to 70m/230ft of signal transmission and added options such as audio breakout and control.

Easily distribute your audio as well as your video by connecting your system to a AVR or Amplifier.

Send your content over long distances to multiple displays with by using a Receiver at each display.

Keep all of your source devices in a remote location to keep your installations tidy and accessible.

FREE UP YOUR LIVING SPACES

All source HDMI cables now are tidy and go to the switcher, with just one HDMI cable now going to the display.

A modern small to medium sized residential installation requires only the best in signal distribution. WyreStorm's matrix switchers can handle high quality cable and satellite content and High Dynamic Range video (meaning darker shadows and better contrast!) from media streaming boxes, UltraHD Blu-ray players and game consoles. Control functions such as IR call-back for connected sources mean it is an all-in-one solution! With the ability to stop viewing on-demand and power triggering of screens bring another level of convenience to the system.
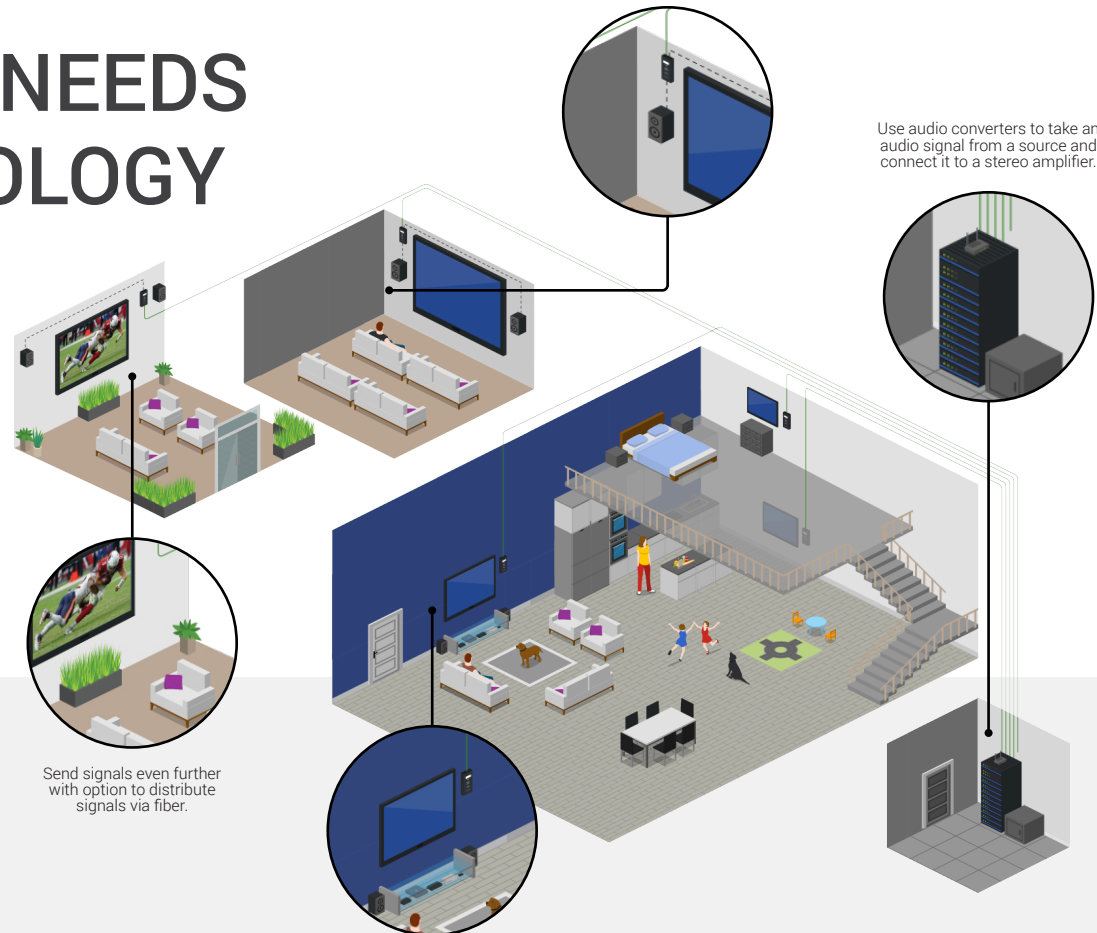
A LARGER INSTALL NEEDS POWERFUL TECHNOLOGY

If you have a residential home that is on the larger side, more often than not, you will need something a bit more powerful to handle your AV distribution. A technology powerful enough that it can handle all of your content requirements and be flexible enough to adapt to a potentially, changing environment.

Additionally, the audio coming from your display might not cut it on its own when it comes to multiple larger rooms. Additionally, you may have an expensive audio system in your home and a new system being installed is out of the question. Free the audio from the on-demand content on your smart TV. Enable digital audio from a Smart TV to be sent back to the transmitter and broken out to an AVR or audio system.

Distribute your audio to your currently installed speakers around your home.

Use audio converters to take an audio signal from a source and connect it to a stereo amplifier.

Send signals even further with option to distribute signals via fiber.

Use Audio Return Channel to take an audio signal from a SmartTV and send it back to a transmitter for further distribution.

AV OVER NETWORK DISTRIBUTION

The NetworkHD 500s series offers a full HDMI 2.0 AV over IP solution. The 500 series is capable of encoding up to 4K60 4:4:4 8bit and support for high framerate Dolby Vision, HDR10 and HLG content. Advanced processing features include video walls with bezel correction, incredibly fast matrix switching, and ultra-low latency distribution. The 500 series also include support for ARC for residential applications along with high-speed USB extension for commercial installs. The best part is that all of this is achieved over a 1GbE network.

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POWERED BY

NETWORK**HD**

COMMERCIAL CASE STUDY

Weybridge Residential

London, England

Product Installed: WyreStorm 16x16 HDBaseT PoH Matrix

The brief for this truly breathtaking new build residence in the exclusive London suburb of Weybridge was to deliver a complete smart home solution that would attract potential buyers and give the future homeowner a reliable and easy to use entertainment solution.

Given the project requirements and size of the property the WyreStorm MX-1616-PP-POH matrix was chosen to handle delivery of all possible content to various zones. Among the obvious advantages of making potentially 16 sources available to up to 16 rooms, by having centralized source equipment, cables and clutter from zones was able to be completely eliminated.

COMMERCIAL CASE STUDY

Atlanta Technology Showhome

Georgia, United States

Product Installed: NetworkHD AV over IP

The 11,000-square-foot farmhouse in Johns Creek, Ga., serves as a showcase of innovative design and technology, and is open for prospective customers, builders and architects to visit for ideas and inspiration.

Probably the most creative implementation of technology involved a major piece of the interior design—a grand piano. A Yamaha DC2XE3 Disklavier piano ties directly into a WyreStorm MX-0808-PP HDBaseT matrix switcher via standard category and HDMI cabling, which enables songs from the piano to play through the in-ceiling speakers installed throughout the residence.

WyreStorm

Powerful. Reliable. Simple.

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For more information on our solutions or to
view our case studies, visit **wyrestorm.com**