

Extron

2019 NEW PRODUCTS

SECOND EDITION



NAV PRO AVoIP

- Pixel-Perfect Video
- Ultra-Low Latency
- Low Bitrates



Uncompromised Pro AV over IP for 1G and 10G Infrastructures

NAV™ is the only no-compromise Pro AV over IP solution for distribution and switching of ultra-low latency, visually lossless video, audio, and USB 2.0 signals over Ethernet networks. Utilizing Extron's patented PURE3® codec, it delivers groundbreaking performance with visually lossless video over IP at resolutions up to 4K @ 60 Hz with 4:4:4 chroma sampling. PURE3's Intelligent Selective Streaming - ISS - leverages low motion content to achieve extremely low bitrates while maintaining visually lossless performance. The NAV Series is the only solution that offers both 1 Gbps and 10 Gbps encoders and decoders with compatibility across both systems.

Features

- PURE3 Intelligent Selective Streaming achieves low bit rates with low motion content while maintaining visually lossless performance
- Streams video and audio over standard Ethernet networks for flexible system design and distribution
- Supports HDMI 2.0 at resolutions up to 4K/60 @ 4:4:4
- Ultra-low latency with visually lossless compression using the patented Extron PURE3® codec
- Interoperable across 1 Gbps and 10 Gbps endpoints
- Supports the AES67 audio over IP standard, providing compatibility with Extron and third-party audio DSP processors
- Enhanced security with SRTP - Secure Real Time Transport Protocol
- 802.1X port-based Network Access Control for device authentication
- Microsoft® Active Directory integration for user management
- Multiple encoders and decoders can be deployed as an IP-based video and audio matrix

To learn more, visit extron.com/NAV



Command and Control



Collaboration



Medical



Simulation

PURE3

Most codecs make compromises in either image quality, bandwidth requirements, or latency. Extron's no-compromise PURE3[®] codec with ISS - Intelligent Selective Streaming, offers the best of all three with its groundbreaking simultaneous delivery of high quality, efficient bitrates, and ultra-low latency.

NAV systems utilize PURE3, the patented, highly efficient wavelet-based compression technology that exceeds the performance characteristics found in standards-based compression systems. With virtually no latency, encoded video signals are processed with 4:4:4 color quantization, while maintaining original source quality and native resolution.



Ultra-Low Latency



Efficient Bitrates



Visually Lossless



4:4:4 Chroma Sampling



Error Concealment

NAV PRO AV OVER IP

NAV 10E 101

10G Pro AV over IP Encoder - HDMI

The NAV 10E 101 is a Pro AV over IP encoder that streams ultra-low latency, visually lossless video and audio signals over 10 Gbps Ethernet networks at efficient bit rates. Adjustable bitrate settings facilitate transmission over 10 Gbps networks and compatibility with NAV™ 1 Gbps endpoints, increasing scalability for large deployments. The NAV 10E 101 is ideal for simulation, command and control, medical diagnostics applications, or any installation where reliable, visually lossless AV over IP video distribution is desired.

FEATURES

- Encodes and streams video and audio over 10 Gbps Ethernet networks
- Supports HDMI 2.0 at resolutions up to 4K/60 @ 4:4:4
- PURE3® Codec
- PURE3 Intelligent Selective Streaming
- Interoperable with 1 Gbps NAV™ endpoints
- Ultra-low latency with visually lossless compression
- AES67 audio support
- Industry-standard LC connectors for fiber optic connectivity provide robust, reliable transmission with inherent immunity to outside interference



NAV 10E 101 - Singlemode



Model	Version Description	Part Number
NAV 10E 101	10G HDMI Encoder - Multimode	60-1572-15
NAV 10E 101	10G HDMI Encoder - Singlemode	60-1572-16

NAV 10E 501

10G Pro AV over IP Encoder - HDMI, Ethernet, and USB

The NAV 10E 501 is a Pro AV over IP encoder that streams ultra-low latency, visually lossless video, audio, Ethernet, and USB 2.0 signals over 10 Gbps Ethernet networks at efficient bit rates. Adjustable bitrate settings facilitate compatibility with NAV™ 1 Gbps endpoints, increasing scalability for large deployments. With built-in USB 2.0 extension, the NAV 10E 501 can remotely connect to peripheral USB-enabled devices. The 1 Gbps Ethernet expansion port facilitates remote LAN connectivity and control of attached IP-enabled Ethernet-enabled devices.

FEATURES

- Encodes and streams video, audio, Ethernet, and USB signals over 10 Gbps Ethernet networks
- Supports HDMI 2.0 at resolutions up to 4K/60 @ 4:4:4
- PURE3® Codec
- PURE3 Intelligent Selective Streaming
- Interoperable with 1 Gbps NAV™ endpoints
- Ultra-low latency with visually lossless compression
- AES67 audio support
- Industry-standard LC connectors for fiber optic connectivity provide robust, reliable transmission with inherent immunity to outside interference



NAV 10E 501 - Multimode



Model	Version Description	Part Number
NAV 10E 501	10G HDMI, Ethernet, USB Encoder - Multimode	60-1572-01
NAV 10E 501	10G HDMI, Ethernet, USB Encoder - Singlemode	60-1572-02

NAV PRO AV OVER IP

NAV E 101

1G Pro AV over IP Encoder - HDMI

The NAV E 101 is a Pro AV over IP encoder that streams ultra-low latency, high quality video and audio signals over 1 Gbps Ethernet networks at extremely low bit rates. It is fully compatible with NAV™ 10 Gbps endpoints, increasing scalability for large deployments. Using a standard 1000Base-T 1 Gbps copper Ethernet infrastructure, the NAV E 101 facilitates flexible system design and cost-effective streaming over large distances, and PoE+ powering eliminates the need for external power supplies.

FEATURES

- Encodes and streams video and audio over 1 Gbps Ethernet networks
- Supports HDMI 2.0 at resolutions up to 4K/60 @ 4:4:4
- PURE3® Codec
- PURE3 Intelligent Selective Streaming
- Interoperable with 10 Gbps NAV™ endpoints
- Ultra-low latency with high quality video
- AES67 audio support
- PoE+ compatibility eliminates the need for a local power supply



Model	Version Description	Part Number
NAV E 101	1G HDMI Encoder	60-1525-12

NAV E 501

1G Pro AV over IP Encoder - HDMI, Ethernet, and USB

The NAV E 501 is a Pro AV over IP encoder that streams ultra-low latency, high quality video, audio, Ethernet, and USB 2.0 signals over 1 Gbps Ethernet networks at extremely low bit rates. It is fully compatible with NAV™ 10 Gbps endpoints, increasing scalability for large deployments. With built-in USB 2.0 extension, the NAV E 501 can remotely connect to peripheral USB-enabled devices. The 100 Mbps Ethernet expansion port facilitates remote LAN connectivity and control of attached IP-enabled Ethernet-enabled devices. Using standard 1000Base-T 1 Gbps copper Ethernet infrastructure, the NAV E 501 facilitates flexible system design and cost-effective streaming over large distances. PoE+ powering eliminates the need for external power supplies.

FEATURES

- Encodes and streams video, audio, Ethernet, and USB signals over 1 Gbps Ethernet networks
- Supports HDMI 2.0 at resolutions up to 4K/60 @ 4:4:4
- PURE3® Codec
- PURE3 Intelligent Selective Streaming
- Interoperable with 10 Gbps NAV™ endpoints
- Ultra-low latency with high quality video
- AES67 audio support
- PoE+ compatibility eliminates the need for a local power supply



Model	Version Description	Part Number
NAV E 501	1G HDMI, Ethernet, USB Encoder	60-1525-01

For updated product availability, go to www.extron.com

NAV PRO AV OVER IP

NAV 10SD 101

10G Pro AV over IP Scaling Decoder - HDMI

The NAV 10SD 101 is a Pro AV over IP scaling decoder that decodes and scales ultra-low latency, visually lossless video and audio signals over 10 Gbps Ethernet networks at efficient bit rates. It is fully compatible with NAV™ 1 Gbps endpoints, increasing scalability for large deployments. With its integrated Extron Vector™ 4K scaling technology, the NAV 10SD 101 delivers best-in-class image upscaling and downscaling using Extron's exclusive, high-precision processing algorithms for exceptional scaling performance.

FEATURES

- Decodes video and audio from 10 Gbps Ethernet networks
- Supports HDMI 2.0 at resolutions up to 4K/60 @ 4:4:4
- PURE3® Codec
- PURE3 Intelligent Selective Streaming
- Interoperable with 1 Gbps NAV™ endpoints
- Ultra-low latency with visually lossless compression
- Advanced Extron Vector™ 4K scaling technology
- AES67 audio support
- Industry-standard LC connectors for fiber optic connectivity provide robust, reliable transmission with inherent immunity to outside interference



NAV 10SD 501 - Multimode



Model	Version Description	Part Number
NAV 10SD 101	10G HDMI Scaling Decoder - Multimode	60-1572-19
NAV 10SD 101	10G HDMI Scaling Decoder - Singlemode	60-1572-20

NAV 10SD 501

10G Pro AV over IP Scaling Decoder - HDMI, Ethernet, and USB

The NAV 10SD 501 is a Pro AV over IP scaling decoder that decodes and scales ultra-low latency, visually lossless video, audio, Ethernet, and USB 2.0 signals over 10 Gbps Ethernet networks at efficient bit rates. It is fully compatible with NAV 1 Gbps endpoints, increasing scalability for large deployments. With built-in USB 2.0 extension, the NAV™ 10SD 501 can remotely connect to peripheral USB-enabled devices. The 1 Gbps Ethernet expansion port facilitates remote LAN connectivity and control of attached IP-enabled Ethernet-enabled devices. With its integrated Extron Vector 4K scaling technology, the NAV 10SD 501 delivers best-in-class image upscaling and downscaling using Extron's exclusive, high-precision processing algorithms for exceptional scaling performance.

FEATURES

- Decodes video, audio, Ethernet, and USB signals from 10 Gbps Ethernet networks
- Supports HDMI 2.0 at resolutions up to 4K/60 @ 4:4:4
- PURE3® Codec
- PURE3 Intelligent Selective Streaming
- Interoperable with 1 Gbps NAV™ endpoints
- Ultra-low latency with visually lossless compression
- Advanced Extron Vector™ 4K scaling technology
- AES67 audio support
- Industry-standard LC connectors for fiber optic connectivity provide robust, reliable transmission with inherent immunity to outside interference



NAV 10SD 501 - Multimode



Model	Version Description	Part Number
NAV 10SD 501	10G HDMI, Ethernet, USB Scaling Decoder-Multimode	60-1572-07
NAV 10SD 501	10G HDMI, Ethernet, USB Scaling Decoder-Singlemode	60-1572-08

NAV PRO AV OVER IP

NAV SD 101

1G Pro AV over IP Scaling Decoder - HDMI

The NAV SD 101 is a Pro AV over IP scaling decoder that decodes and scales ultra-low latency, high quality video and audio signals over 1 Gbps Ethernet networks at extremely low bit rates. It is fully compatible with NAV™ 10 Gbps endpoints, increasing scalability for large deployments. With its integrated Extron Vector™ 4K scaling technology, the NAV SD 101 delivers best-in-class image upscaling and downscaling using Extron's exclusive, high-precision processing algorithms for exceptional scaling performance. Using a standard 1000Base-T 1 Gbps copper Ethernet infrastructure, the NAV SD 101 facilitates flexible system design and cost-effective streaming over large distances, and PoE+ powering eliminates the need for external power supplies.

FEATURES

- Decodes video and audio from 1 Gbps Ethernet networks
- Supports HDMI 2.0 at resolutions up to 4K/60 @ 4:4:4
- PURE3® Codec
- PURE3 Intelligent Selective Streaming
- Interoperable with 10 Gbps NAV™ endpoints
- Ultra-low latency with high quality video
- Advanced Extron Vector™ 4K scaling technology
- AES67 audio support
- PoE+ compatibility eliminates the need for a local power supply



Model	Version Description	Part Number
NAV SD 101	1G HDMI Scaling Decoder	60-1525-14

NAV SD 501

1G Pro AV over IP Scaling Decoder - HDMI, Ethernet, and USB

The NAV SD 501 is a Pro AV over IP scaling decoder that decodes and scales ultra-low latency, high quality video, audio, Ethernet, and USB 2.0 signals over 1 Gbps Ethernet networks at extremely low bit rates. It is fully compatible with NAV 10 Gbps endpoints, increasing scalability for large deployments. With built-in USB 2.0 extension, the NAV 10 SD 501 can remotely connect to peripheral USB-enabled devices. The 100 Mbps Ethernet expansion port facilitates remote LAN connectivity and control of attached IP-enabled Ethernet-enabled devices. With its integrated Extron Vector 4K scaling technology, the NAV SD 501 delivers best-in-class image upscaling and downscaling using Extron's exclusive, high-precision processing algorithms for exceptional scaling performance. Using a standard 1000Base-T 1 Gbps copper Ethernet infrastructure, the NAV SD 101 facilitates flexible system design and cost-effective streaming over large distances, and PoE+ powering eliminates the need for external power supplies.

FEATURES

- Decodes video, audio, Ethernet, and USB signals from 1 Gbps Ethernet networks
- Supports HDMI 2.0 at resolutions up to 4K/60 @ 4:4:4
- PURE3® Codec
- PURE3 Intelligent Selective Streaming
- Interoperable with 10 Gbps NAV™ endpoints
- Ultra-low latency with high quality video
- Advanced Extron Vector™ 4K scaling technology
- AES67 audio support
- PoE+ compatibility eliminates the need for a local power supply



Model	Version Description	Part Number
NAV SD 501	1G HDMI, Ethernet, USB Scaling Decoder	60-1525-03

For updated product availability, go to www.extron.com

NAV PRO AV OVER IP

NAVigator Pro AV over IP System Manager

NAVigator is a hardware appliance for secure management, configuration, and control of NAV™ Pro AV over IP systems. Use the user-friendly web-based NAV System Manager to configure, monitor and control, backup and restore, run diagnostics, and troubleshoot. An entry level NAVigator system supports 16 endpoints and can expand with LinkLicense to support 48, 96, or 240 devices. Multiple NAVigator units working together can support thousands of endpoints. Two isolated, independent LAN ports facilitate control from a secondary network, enabling flexible design with enhanced security, and eliminating AV traffic on the corporate network. With Extron Pro Series control integration, the NAVigator acts as a centralized communication bridge for secure control of all attached devices. The NAVigator System Manager can be PoE powered over the network.

FEATURES

- Securely manages, configures, and controls NAV™ Pro AV over IP systems
- Each unit supports up to 240 NAV endpoints
- Intuitive, web-based user interface for ease of use
- Manages simultaneous configuration of multiple NAV devices
- Secure encrypted communication between all endpoints
- Power over Ethernet, or PoE, eliminates the need for a local power supply



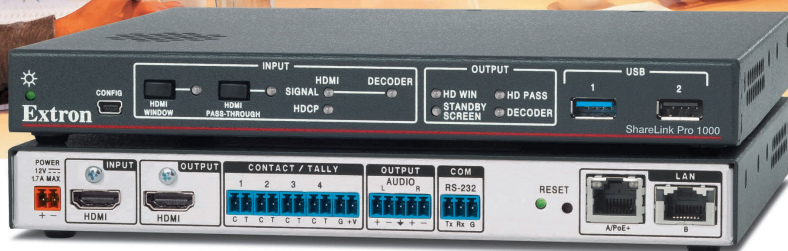
NAVigator



Model	Version Description	Part Number
NAVigator	Entry Level Version for 16 Endpoints	60-1534-01
LinkLicense	NAVigator 48 Endpoints Upgrade	79-2551-02
LinkLicense	NAVigator 96 Endpoints Upgrade	79-2551-03
LinkLicense	NAVigator 240 Endpoints Upgrade	79-2551-04

The screenshot shows the NAVigator web interface. The top navigation bar includes the Extron logo and the title 'NAVigator'. A user profile 'Admin' is visible in the top right. The left sidebar contains a menu with categories: ENDPOINTS, TIES, EDID, TOOLS (Device Tools, System Tools), and MONITORING (Settings). The main content area is titled 'Endpoints' and features a search bar, 'DISCOVER' button, and 'ACTIONS' dropdown. A list of endpoints is displayed, each with a checkbox, a colored icon (E for Encoder, D for Decoder), a name, a model number, and a 'Room A' button.

Device Type	Name	Model	Action
Encoder	Encoder Device 1: Input 001	NAV 10E 101	Room A
Encoder	Encoder Device 2: Input 002	NAV 10E 101	Room A
Encoder	Encoder Device 3: Input 003	NAV 10E 101	Room A
Encoder	Encoder Device 4: Input 004	NAV 10E 101	Room A
Decoder	Decoder Device 1: Output 001	NAV 10SD 101	Room A
Decoder	Decoder Device 2: Output 002	NAV 10SD 101	Room A



NOW SHIPPING

Introducing Our Most Intelligent Wireless and Wired Collaboration Gateway Yet

The new Extron **ShareLink Pro 1000** is our next generation Wireless and Wired Collaboration Gateway that enables anyone to present wireless or wired content from their computers, tablets, or smartphones onto a display for easy collaboration. It features advanced technology that supports simultaneous display of up to four devices including an HDMI-connected device. The HDMI input supports wired connections from any connected source in the room. To support a wide range of environments, ShareLink Pro has collaboration and moderator modes that facilitate both open and controlled environments. When used with Extron GVE – GlobalViewer Enterprise software, multiple units can be managed across an enterprise or campus. ShareLink Pro’s professional capabilities provide easy integration of AV and mobile devices into meeting, huddle, collaboration, and presentation spaces.

Features:

- Wirelessly share content from BYOD devices
- Supports full-screen mirroring for all devices
- Enables simultaneous collaboration between wireless and wired sources
- Dedicated app provides consistent user experience across Android, Apple, and Windows platforms
- Supports 4K wireless and wired sources and displays
- View up to four pieces of content simultaneously from any user
- Centralized management for easy setup and security updates

Works with TeamWork Show Me Cables

For easy sharing, connect an optional HDMI, DisplayPort or Mini DisplayPort Show Me® cable to your device. Press the Share button, at your fingertips, for quick device selection.



To learn more, visit extron.com/SLPro

Model	Version Description	Part Number
ShareLink Pro 1000	Wireless and Wired Collaboration Gateway.....	60-1679-01

For updated product availability, go to www.extron.com

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Extron

4K Collaboration Made Simple



Easy-to-Use 4K Systems

By their very nature, collaboration systems should be easy to use, with simple controls that make sharing and viewing content easy. TeamWork systems have long been recognized for their simplicity with Share buttons, which bring control right to your fingertips. Now TeamWork offers full 4K solutions with 4K HDMI, DisplayPort, and Mini DisplayPort Show Me cables and retractors connected to 4K switchers, supporting the highest-resolution sources and displays found in modern AV collaboration environments.

Supports Wireless BYOD

BYOD wireless devices have become commonplace in modern collaboration environments. A ShareLink Wireless Collaboration Gateway added to a TeamWork configuration will easily integrate wireless connectivity, bringing support for your wireless AV and mobile devices into meeting, huddle, and presentation spaces.

Customizable to Your Needs

TeamWork systems can be custom-configured to meet the specific requirements of your installation. Flexible offerings are available for both wireless and wired sources, connected to 4K switchers, scaling switchers, or single category cables connected to 4K displays. When multiple users collaborate around a large display, 4K systems ensure that content is clear and easy-to-view with no loss of detail for successful and effective collaboration.



COLLABORATION

SM Series

Show Me Cable for TeamWork Collaboration Systems

The Extron SM Series Show Me® cables provide the user interface for HDMI, DisplayPort, Mini DisplayPort, or VGA sources in an Extron TeamWork® Collaboration System. Operation is simple and convenient: Connect the Show Me cable to your source device and press the Share button to share your content on the main presentation display. The cable meets Section 508 accessibility standards and is certified for use with AVEdge and Cable Cubby® enclosures for discreet, convenient access.

FEATURES

- Provides the user interface for digital or analog signals in a TeamWork® collaboration system
- **NEW** Supports computer and video signals up to 4096x2160 @ 60 Hz
- Share button lights as it switches the connected source to the main presentation display
- Available in 6' (1.8 m) and 12' (3.6 m) lengths
- 24" (60 cm) control/tally pigtail for ease of installation
- Certified for use with AVEdge and Cable Cubby® enclosures



NOW SHIPPING

Model	Version Description	Part Number
HDMI SM	HDMI SM Cable, 12' (3.6 m)	26-683-12
HDMI SM	HDMI SM Cable, 6' (1.8 m)	26-683-06
VGA SMC/6	VGA Show Me Cable, 6' (1.8 m)	26-686-06
VGA SMC/12	VGA Show Me Cable, 12' (3.6 m)	26-686-12
DP-HDMI SM NEW	DP to HDMI SM Cable, 6' (1.8m)	26-705-06
DP-HDMI SM NEW	DP to HDMI SM Cable, 12' (3.6m)	26-705-12
MDP-HDMI SM NEW	Mini DP to HDMI SM Cable, 6' (1.8m)	26-706-06
MDP-HDMI SM NEW	Mini DP to HDMI SM Cable, 12' (3.6m)	26-706-12
Cable Cubby SM Bracket Kit	8 Cbl Bkt, CC 650UT/1200C/1202/1402/TLP Pro 725C...	70-1039-05

Retractor SM Series

TeamWork Show Me Cable Retraction Modules

Retractor SM Show Me® is a patented, variable-speed cable retraction and management system providing the user interface for HDMI, DisplayPort, Mini DisplayPort, or VGA sources and PC audio and network support in TeamWork® Collaboration Systems. Connect the Show Me cable to your source and press the Share button to share your content on the main display. Retractor SM cables extend up to three feet (90 cm) and hold securely in place at the desired length. Cables retract with the press of a button. HDMI and VGA models pass source signals unprocessed. DisplayPort and Mini DisplayPort models actively adapt dual-mode DisplayPort to HDMI. The Retractor SM works with Cable Cubby® 500, Cable Cubby 650 UT, Cable Cubby 700, Cable Cubby 1202, Cable Cubby 1402, EBP 1200C, and TLP Pro 725C cable access enclosures, plus the TMK 120 R Table Mount Kit.

FEATURES

- Provides the user interface for digital or analog signals, as well as PC audio and network connectivity in a TeamWork® collaboration system
- Convenient, easy to install cable retraction system for use with most Cable Cubby cable access enclosures
- **NEW** Supports computer and video signals up to 4096x2160 @ 30 Hz
- Simple, intuitive operation: Extend – Connect – Share
- Share button lights as it switches the connected source to the main presentation display
- Cables extend up to three feet (90 cm)
- Engineered for long life and reliability in high-utilization environments



NOW SHIPPING

Model	Version Description	Part Number
Retractor SM HDMI NEW	HDMI Show Me	70-1065-46
Retractor SM VGA	VGA Show Me	70-1065-15
Retractor SM DP-HDMI NEW	DisplayPort to HDMI Show Me	70-1065-47
Retractor SM MDP-HDMI NEW	Mini DP to HDMI Show Me	70-1065-48
Retractor SM PC Audio	3.5 mm Stereo Audio	70-1065-12
Retractor SM Network	Network CAT6	70-1065-13
Retractor SM Horizontal Bracket Kit	Supports Three Retractor SM Modules	70-1065-30
Retractor SM Cable Cubby Mount - Triple	CC 650UT/1200C/1202/1402/TLP Pro 725C; Holds 3	70-1065-36
Retractor SM Cable Cubby Mount - Quad	Cable Cubby 1200C/1202/1402/TLP Pro 725C; Holds 4	70-1065-37
Retractor SM Cable Cubby Mount - Triple	Cable Cubby 500/700; Holds 3 Modules	70-1065-33
Retractor SM Filler Module	With Blank & Cable Pass-through Plates	70-1065-34

For updated product availability, go to www.extron.com

COLLABORATION

HC 402

Meeting Space Collaboration System - Decorator-Style Wallplate

The Extron HC 402 combines video switching, scaling, signal extension, and system control into a transmitter and receiver pair at a price point that fits any application. The HC 402 features one HDMI input at the decorator-style wallplate transmitter and one HDMI input at the receiver. Advanced Extron scaling technology ensures excellent image quality with maximum detail and color accuracy. Built-in control capabilities facilitate automatic source switching, display control, and integration with occupancy sensors for an intuitive, effortless user experience. Designed for professional integration, the HC 402 low-profile wallplate transmitter and compact receiver are ideal for discreet placement in walls, lecterns, or wherever required.

FEATURES

- Powerful solution for meeting rooms
- Decorator-style wallplate transmitter provides one HDMI input
- HDMI input on receiver is ideal for connecting a local source, such as a ShareLink® Series wireless collaboration gateway
- Signal extension for video, audio, and power up to 230 feet (70 meters) over a shielded CATx cable
- Built-in control capability
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 and 2K
- Selectable output rates from 640x480 to 1920x1200, including 1080p/60 and 2K
- Auto-switching between inputs
- Stereo audio de-embedding
- Remote power capability
- Advanced scaling engine with 30-bit precision processing and motion-adaptive deinterlacing for signals up to 1080i
- Supports LinkLicense®



HC 402 Transmitter



HC 402 Receiver

NOW SHIPPING

Model	Version Description	Part Number
HC 402	Meeting Collaboration System, Decorator Tx, White	42-285-01
HC 402	Meeting Collaboration System, Decorator Tx, Black	42-285-02
LinkLicense	Pro Series User Interface Upgrade	79-2546-01

HC 402 EU & MK

Meeting Space Collaboration System - EU/MK-Style Wallplate

The Extron HC 402 EU and HC 402 MK combine video switching, scaling, signal extension, and system control into a wallplate transmitter and receiver pair at a price point that fits any application. Each pair features one HDMI input at the transmitter, and one HDMI input at the receiver. Advanced Extron scaling technology ensures excellent image quality with maximum detail and color accuracy. Built-in control capabilities facilitate automatic source switching, display control and integration with occupancy sensors for an intuitive, effortless user experience. Designed for professional integration, the HC 402 EU and HC 402 MK feature low-profile wallplate transmitters and compact receivers that are ideal for discreet placement in walls, lecterns, or wherever required.

FEATURES

- Powerful solution for meeting rooms
- Compatible with Flex55 modules, mounting kits, and enclosures for European junction boxes
- Designed to mount into one-gang MK boxes and enclosures for use in the UK, Middle East, Singapore, and other regions using MK-type enclosure - MK model only
- HDMI input on receiver is ideal for connecting a local source, such as a ShareLink® Series wireless collaboration gateway
- Signal extension for video, audio, and power up to 230 feet (70 meters) over a shielded CATx cable
- Built-in control capability
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 and 2K
- Selectable output rates from 640x480 to 1920x1200, including 1080p/60 and 2K
- Auto-switching between inputs
- Stereo audio de-embedding
- Remote power capability
- Advanced scaling engine with 30-bit precision processing and motion-adaptive deinterlacing for signals up to 1080i
- Supports LinkLicense®



HC 402 EU Transmitter



HC 402 MK Transmitter



HC 402 EU/MK Receiver

NOW SHIPPING

Model	Version Description	Part Number
HC 402 EU	Meeting Collaboration System, EU Tx	42-286-01
HC 402 MK	Meeting Collaboration System, MK Tx	42-287-01
LinkLicense	Pro Series User Interface Upgrade	79-2546-01



Integration with Leading UC Platforms for a Seamless Conferencing Experience

Extron has developed the technology to integrate with the leading unified communication solution providers, providing a one-touch user experience for conferencing, collaboration, and control. Through our partnerships, we can extend Extron control capabilities to spaces that use Zoom, Cisco, Logitech, and many other popular providers. We offer complete system integration for convenient, centralized control of conferencing systems, audio, video, lighting, window shades, and much more.

zoom

logitech

CISCO

Google

Microsoft

DOLBY

StarLeaf

Polycom™

lifesize

To learn more, visit [extron.com/collaboration](https://www.extron.com/collaboration)

COLLABORATION

HC 404 with Zoom
Meeting Space Collaboration System with Zoom Room Control

The Extron HC 404 combines video switching, scaling, signal extension, and system control into a transmitter and receiver pair that seamlessly integrates with a variety of room configurations. The HC 404 is now available pre-configured to extend control capabilities to Zoom Rooms running on an Apple® Mac. This provides a one-touch user experience for conferencing, collaboration, and AV room control. A single interface on your Extron TouchLink® Pro Series touchpanel is all you need to control every conferencing and audiovisual function.

- FEATURES**
- Enhance Zoom Room capabilities with AV switching and complete system control
 - Manage conferencing and room functions - all from the familiar Zoom Rooms interface
 - Perform analytics and manage your Zoom Rooms using GlobalViewer® Enterprise - GVE
 - Integrate room sensors to trigger lighting, shade control, and system power features for no-touch meeting startup and energy savings
 - Streamlines installation for mass deployment, saving time and money
 - Powerful solution for meeting rooms
 - Transmitter has two HDMI inputs and one VGA input
 - HDMI input on receiver is ideal for connecting a local source
 - Signal extension for video, audio, and power up to 230 feet (70 meters) over a shielded CATx cable
 - Supports LinkLicense®



The TLP Pro 1025T touchpanel with Zoom Rooms interface provides intuitive system control. TLP Pro 1025T sold separately.



HC 404 Transmitter



HC 404 Receiver

NOW SHIPPING

Model	Version Description	Part Number
HC 404 with Zoom LinkLicense	Meeting Collaboration System - Zoom Room Pro Series User Interface Upgrade	42-268-01Z 79-2546-01

ISS 608



VECTOR 4K
SCALING

18 Gbps
4K/60 4:4:4

EVERLAST
POWER SUPPLIES

True Seamless 4K/60 Scaling and Switching Leaps Ahead to the Next Generation

Take your live presentations to an entirely new level with dynamic, seamless switching of 4K content. The ISS 608 features six HDMI 2.0 inputs and two DisplayPort 1.2 inputs, providing full 18 Gbps support of signals up to 4K/60 with 4:4:4 chroma sampling inputs. The HDCP 2.2-compliant ISS 608 combines true seamless switching with advanced Vector™ 4K scaling technology to deliver unequalled video performance for high-end presentations and live events on even the largest of screens. Independent video buses for Preview and Program outputs and an intuitive front panel interface provide effortless on-the-fly operation.

Professional Switching Transitions

Multiple switching and transition effects enhance the delivery of any presentation. Wipes with selectable direction and duration, a dissolve with selectable duration, and a seamless cut eliminate distracting jumps, glitches, and delays from your presentation.



Dissolve



Wipe

Production-style Matrix Switching

Matrix Mode provides production-style switching effects for any HDMI matrix switcher. Connect two switcher outputs to inputs 1 and 2 on the ISS 608 to automatically apply a transition effect between the video sources when a switch is detected.

Independent Preview and Program Outputs

Independent video buses for Preview and Program outputs enable the operator to confidently control the presentation by reviewing sources on a local monitor before switching them to the Program output for the viewing audience. The operator can select between cut, dissolve, and wipe transitions when switching sources to the Program output, providing a professional touch to live presentations.

Flexible Audio Management

Embedded multi-channel HDMI and DisplayPort audio is switched, along with video, to the HDMI outputs. During a dissolve or wipe, the switcher performs an audio fade down/fade up transition for the duration of the video effect. The ISS 608 includes balanced/unbalanced analog audio outputs for sending de-embedded two-channel audio to a sound system or other destination.

To learn more, visit extron.com/ISS

Model	Version Description	Part Number
ISS 608	Six HDMI & Two DisplayPort Inputs	60-1684-01

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

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+971.4.299.1880 FAX

Asia
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China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

The Industry's Best Presentation Switchers now with 4K/60 @ 4:4:4 Scaling



VECTOR 4K
SCALING

18 Gbps
4K/60 4:4:4

ProDSP

DTP
SYSTEMS

IN1800 Presentation Switcher Series

Combining cutting edge video and audio processing, signal extension, and networked control, the IN1800 Series of presentation switchers sets a new benchmark standard for integrated scaling and switching. This powerful scaler product family includes nine models with four, six or eight inputs, dual video outputs, and a variety of integration features that equip them for a broad range of professional AV applications.

Series Features:

- Advanced Extron Vector 4K Scaling Engine
- Selectable rates up to 4K/60 @ 4:4:4
- Logo Keying and stored image recall
- Seamless cut and fade transition effects
- Supports HDMI 2.0 data rates up to 18 Gbps
- Dual mirrored video outputs
- DTP2 twisted pair extension
- Audio embedding and de-embedding
- Built-in standard CEC – Consumer Electronics Control capability
- Ethernet monitoring and control

IN1804 Series – Four inputs with contact/tally and CEC control optimized for intuitive, sophisticated collaboration.

IN1806 – Six inputs with mirrored DTP2 and HDMI outputs and ProDSP audio, ideal for medium sized rooms.

IN1808 Series – All-in-one solution with eight inputs, DTP2 signal extension, ProDSP, and available IPLink Pro control processor plus 100 watt power amplifier.

To learn more, visit extron.com/IN1800

IN1800 Series Features

	IN1808 IPCP SA	IN1808 IPCP MA 70	IN1808	IN1806	IN1804 DO	IN1804 DI	IN1804
Input and output rates from 640x480 to 4K/60 4:4:4	●	●	●	●	●	●	●
Logo Keying and seamless switching transitions	●	●	●	●	●	●	●
Audio embedding/de-embedding	●	●	●	●	●	●	●
Control ports	Ethernet RS-232	Ethernet RS-232	Ethernet RS-232	Ethernet RS-232	Ethernet RS-232 Contact/Tally	Ethernet RS-232 Contact/Tally	Ethernet RS-232 Contact/Tally
Video Inputs	1 DisplayPort 5 HDMI 2 DTP2	1 DisplayPort 5 HDMI 2 DTP2	1 DisplayPort 5 HDMI 2 DTP2	1 DisplayPort 5 HDMI	1 DisplayPort 3 HDMI	1 DisplayPort 2 HDMI 1 DTP2	1 DisplayPort 3 HDMI
Video Outputs (mirrored)	1 HDMI 1 DTP2	1 HDMI 1 DTP2	1 HDMI 1 DTP2	1 HDMI 1 DTP2	1 HDMI 1 DTP2	2 HDMI	2 HDMI
ProDSP Audio Signal Processing	●	●	●	●			
IPLink Pro Control Processor	●	●					
XTRA Class D 100 Watt 70V Mono Amplifier		●					
XTRA Class D 100 Watt Stereo Amplifier	●						

Compatible with XTP CrossPoint and all DTP Products



SCALERS

IN1806

Six Input 4K/60 Seamless Presentation Switcher

The Extron IN1806 is a six input seamless presentation switcher that supports signal resolutions up to 4K/60 at 4:4:4. It incorporates Extron-patented Vector 4K seamless scaling technology specifically engineered for the most demanding applications. It features DisplayPort and HDMI inputs, an HDMI output and a mirrored Extron DTP2 output for extending 4K/60 video, audio, and control signals up to 330 feet (100 meters) over a shielded CATx cable. The IN1806 delivers excellent image quality, fast and reliable switching, along with Extron ProDSP audio processing, seamless video transition effects, logo keying, and HDMI loop-through. Designed for professional AV integration, the IN1806 can be controlled and configured over Ethernet, RS-232, or USB.

FEATURES

- Integrates DisplayPort, HDMI, and audio sources into presentation systems
- DTP2 and HDMI outputs
- Advanced Extron Vector™ 4K scaling engine
- Supports signal resolutions up to 4K/60 with 4:4:4 color sampling
- Logo image keying and display
- Selectable seamless switching transitions
- Auto-switching between inputs
- HDCP 2.2 compliant
- Integrated DTP2 output supports transmission of 4K/60 video, audio, and control up to 330 feet (100 meters) over a shielded CATx cable
- Integrated audio digital signal processor with ProDSP™ 64-bit processing



DTP
SYSTEMS

18 Gbps
4K/60 4:4:4

NOW SHIPPING

Model	Version Description	Part Number
IN1806	Six Input 4K/60 Seamless Presentation Switcher	60-1663-01

IN1808 Series

Eight Input 4K/60 Seamless Presentation Switchers

The Extron IN1808 is an eight input seamless presentation switcher that supports signal resolutions up to 4K/60 at 4:4:4. It incorporates Extron-patented Vector 4K seamless scaling technology specifically engineered for the most demanding applications. It features DisplayPort and HDMI inputs, HDMI output and Extron DTP2 extension to send 4K/60 video, audio, and control signals up to 330 feet (100 meters) over a shielded CATx cable. A built-in Extron IPCP Pro control processor and integrated 100 watt class D power amplifier make the IN1808 IPCP an all-in-one system design solution. The IN1808 delivers excellent image quality, fast and reliable switching, along with Extron ProDSP audio processing, seamless video transition effects, logo keying, and HDMI loop-through.

FEATURES

- Integrates DisplayPort, HDMI, and audio sources into presentation systems
- Advanced Extron Vector™ 4K scaling engine
- Supports signal resolutions up to 4K/60 with 4:4:4 color sampling
- Logo image keying and display
- Selectable seamless switching transitions
- Integrated DTP2 extension supports transmission of 4K/60 video, audio, and control up to 330 feet (100 meters) over a shielded CATx cable
- Integrated audio digital signal processor with ProDSP™ 64-bit processing
- Available with energy efficient Class D stereo or mono amplifier:
2 x 50 watts @ 4 ohms; 2 x 25 watts @ 8 ohms
1 x 100 watts @ 70 volts
- Available with integrated IPCP Pro 355M control processor



IN1808



IN1808 IPCP SA



IN1808 IPCP MA 70

DTP
SYSTEMS

18 Gbps
4K/60 4:4:4

NOW SHIPPING

Model	Version Description	Part Number
IN1808	Standard Model	60-1615-01
IN1808 IPCP SA	Control Processor and Stereo Amp	60-1615-02
IN1808 IPCP SA with LinkLicense	Control Processor and Stereo Amp, LL UI Upgrade	60-1615-02A
IN1808 IPCP MA 70	Control Processor and 70 V Mono Amp	60-1615-03
IN1808 IPCP MA 70 with LinkLicense	Control Processor and 70 V Mono Amp, LL UI Upgrade	60-1615-03A

EXTENDERS

12G HD-SDI 101**Cable Equalizer for 12G-SDI**

The 12G HD-SDI 101 is a cable equalizer for multi-rate SDI digital video signals. It offers a convenient solution for sending multi-rate SDI digital video signals over long coaxial cable runs. The 12G HD-SDI 101 supports all common serial digital video data rates up to 11.88 Gbps, while passing HDR, up to 16 channels of embedded audio, and other ancillary data allowed by the SMPTE and ITU specifications. Used at the destination end of a cable run, automatic input equalization adds up to 984 feet (300 m) for SDI, 787 feet (240 m) for HD-SDI, 590 feet (180 m) for 3G-SDI, 295 feet (90 m) for 6G-SDI, and 230 feet (70 m) for 12G-SDI digital video, when using RG6 cable. The 12G HD-SDI 101 is housed in a one-eighth rack width, metal enclosure, providing integration-friendly mounting options into new and existing AV systems.

FEATURES

- Automatically adapts to SMPTE and ITU digital video standards for SDI signals up to a 12G-SDI data rate
- Supports data rates from 270 Mbps to 11.88 Gbps
- Support for HDR – High Dynamic Range video
- Automatic input equalization
- Automatic output reclocking
- Passes HDR, up to 16 channels of embedded audio, and other ancillary data including closed caption and time code
- Power and Signal Presence LED

**4K UHD****NOW SHIPPING**

Model	Version Description	Part Number
12G HD-SDI 101	12G-SDI Cable Equalizer.....	60-1673-01

SWITCHERS

SW4 12G HD-SDI**Four Input 12G-SDI Switcher**

The Extron SW4 12G HD-SDI is a four-input, two-output 12G-SDI switcher. It switches multi-rate SDI video, embedded audio, and other ancillary data between four source devices and delivers simultaneous output signals to a pair of SDI displays or sink devices. The SW4 12G HD-SDI supports video resolutions up to 4K/60, HDR, and data rates up to 11.88 Gbps, including all common serial digital video data rates specified by SMPTE and ITU standards. To ensure signal integrity over long cable runs, the switcher features automatic input cable equalization and output reclocking. The SW4 12G HD-SDI offers RS-232, front panel, and auto-input switching control options, allowing integration into a variety of applications and environments.

FEATURES

- Automatically adapts to SMPTE and ITU digital video standards for SDI signals up to a 12G-SDI data rate
- Supports video resolutions up to 4K/60
- Dual buffered output
- Automatic input cable equalization
- Automatic output reclocking
- Multiple control options including RS-232, front panel, and auto-input switching
- Front panel USB configuration port
- Internal Extron Everlast™ power supply

**4K UHD****NOW SHIPPING**

Model	Version Description	Part Number
SW4 12G HD-SDI	Four Input 12G-SDI Switcher.....	60-1683-01

For updated product availability, go to www.extron.com

TouchLink Pro Control Systems

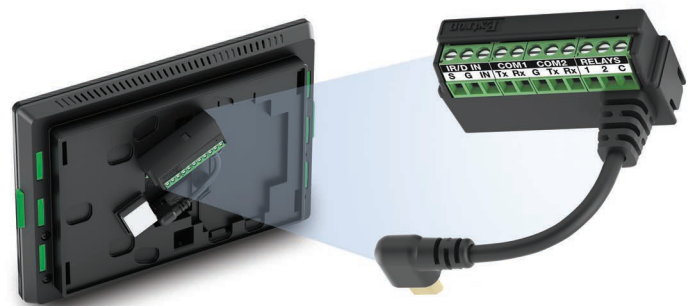


Stylish TouchLink Pro Touchpanels with Built-in Control Processors

TouchLink Pro Control Systems are complete solutions that combine a TouchLink Pro touchpanel with an integrated IP Link Pro control processor. This all-in-one approach streamlines system designs by consolidating essential control system components, freeing up space, and simplifying integration. The included port expansion adapter makes it easy to add traditional control ports when needed, directly at the touchpanel. All TLC Pro control systems maintain the same stylish appearance and high performance of our TouchLink Pro touchpanels and are ideal for any environment requiring a customizable, all-in-one touchpanel control system.

Key Features

- TouchLink Pro touchpanel with a built-in IP Link Pro control processor
- 5", 7", and 10" ultra-tough Gorilla Glass touchscreens
- All-in-one design saves space, simplifies system designs
- Control multiple devices directly from the Ethernet port
- Port expansion adapter provides convenient control directly from the touchpanel: two bidirectional RS-232 ports, one contact closure port, one IR port, and two relays
- Customizable mounting options
- PoE compatible
- Convenient on-board digital input



Port expansion adapter conveniently adds a variety of control ports directly to the back of the touchpanel.

To learn more, visit extron.com/TLC

TOUCLINK PRO CONTROL SYSTEMS

TLC Pro 526M

5" Wall Mount TouchLink Pro Control System

UNIQUE FEATURES

- 5" capacitive touchscreen with 800x480 resolution and 24-bit color depth
- Can be mounted in a one-gang junction box, or on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLC Pro 526M	Black - Wall Mount	60-1853-02
TLC Pro 526M	White - Wall Mount	60-1853-03
TLC Pro 526M NC	Black - Wall Mount, No Camera.....	60-1853-12
TLC Pro 526M NC	White - Wall Mount, No Camera.....	60-1853-13



TLC Pro 726M

7" Wall Mount TouchLink Pro Control System

UNIQUE FEATURES

- 7" capacitive touchscreen with 1024x600 resolution and 24-bit color depth
- Can be mounted in a two-gang junction box, or on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLC Pro 726M	Black - Wall Mount	60-1854-02
TLC Pro 726M	White - Wall Mount	60-1854-03
TLC Pro 726M NC	Black - Wall Mount, No Camera.....	60-1854-12
TLC Pro 726M NC	White - Wall Mount, No Camera.....	60-1854-13



TLC Pro 1026M

10" Wall Mount TouchLink Pro Control System

UNIQUE FEATURES

- 10" capacitive touchscreen with 1280x800 resolution and 24-bit color depth
- Can be mounted in a two-gang junction box, or on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLC Pro 1026M	Black - Wall Mount	60-1855-02
TLC Pro 1026M	White - Wall Mount	60-1855-03
TLC Pro 1026M NC	Black - Wall Mount, No Camera.....	60-1855-12
TLC Pro 1026M NC	White - Wall Mount, No Camera.....	60-1855-13



For updated product availability, go to www.extron.com



Network Button Panels

Ethernet Connected and Fully Customizable AV Control

Extron Network Button Panels are fully-customizable AV system control interfaces for Extron Pro Series control systems and HC 400 Series products. Network Button Panels connect to a control processor using standard Ethernet to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. Buttons can be easily customized using Extron Button Label Generator software or by using the online Custom Button Builder application. Network Button Panels also offer the convenience of PoE - Power over Ethernet, which allows them to receive power and communication over a single Ethernet cable.

Seven Network Button Panels - Unlimited Applications

With its freedom from distance limitations, a broad variety of button layouts, and customizable labels, there are virtually unlimited applications for Network Button Panels. They can even be combined with TouchLink Pro touchpanels and can share the same IP Link Pro control processor.

Secure by Design

Network Button Panels are designed to enhance control system functionality; and, like all Extron Pro Series Control products, they are part of a control ecosystem specifically designed to be secure from outside intrusion and interference. You can rest assured knowing your control system is safeguarded and that Extron has you covered.

Easy Expansion and Upgrades

Presentation environments benefit from AV control systems that can be easily modified to fit the evolving demands of their applications. Network Button Panels streamline system expansion and upgrades by using single Ethernet cable connections and sharing the powerful resources of one IP Link Pro control processor.

A Consistent Look and a Familiar Experience

Since Network Button Panels have the same physical appearance as Extron's broad range of MediaLink controllers and eBUS Button Panels, they can be used alongside them throughout a facility while preserving a consistent look and user experience.

To learn more, visit extron.com/NBP

NETWORK BUTTON PANELS

NBP 1200C

Cable Cubby Enclosure with Network Button Panel

The Extron NBP 1200C is a furniture-mountable Cable Cubby enclosure with a Network Button Panel integrated into the lid. It conveniently combines intuitive AV control, connectivity, and power, and works with all Extron Pro Series control systems and HC 400 Series products. This fully-customizable, easy-to-use control panel works with a control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The flip-up button panel has ten customizable, soft-touch buttons that are backlit for easy operation in low-light environments. The NBP 1200C enables integrators to deploy a contemporary, furniture-mountable Network Button Panel with cable management and easy access to AV connectivity and power.

FEATURES

- Fully customizable Network Button Panel integrates easily with an Extron Pro Series control system or HC 400 Series products
- Ten backlit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Compatible with all Extron IP Link Pro control processors and HC 400 Series systems Network Button Panels use standard Ethernet connectivity
- Network Button Panels use standard Ethernet connectivity
- PoE compatible



Model	Version Description	Part Number
NBP 1200C	NBP Cable Cubby - Black, AC Module Not Included	60-1835-01

NBP 105 D

Network Button Panel with 5 Buttons - Decorator-Style Wallplate

The Extron NBP 105 D Network Button Panel is a fully-customizable AV system control interface for Extron Pro Series control systems and HC 400 Series products. Network Button Panels connect to a control processor using standard Ethernet. These customizable, easy-to-use control panels work in conjunction with a control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The NBP 105 D offers five customizable, soft-touch buttons that are backlit for easy operation in low-light environments. Network Button Panels feature the convenience of PoE.

FEATURES

- Fully customizable Network Button Panel integrates easily with an Extron Pro Series control system or HC 400 Series products
- Five backlit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Compatible with all Extron IP Link Pro control processors and HC 400 Series systems
- Network Button Panels use standard Ethernet connectivity
- PoE compatible



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Model	Version Description	Part Number
NBP 105 D	Decorator-Style, Black and White, 5 Button	60-1688-01

For updated product availability, go to www.extron.com

NETWORK BUTTON PANELS

NBP 106 D

Network Button Panel with 6 Buttons - Decorator-Style Wallplate

The Extron NBP 106 D Network Button Panel is a fully-customizable AV system control interface for Extron Pro Series control systems and HC 400 Series products. Network Button Panels connect to a control processor using standard Ethernet. These customizable, easy-to-use control panels work in conjunction with a control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The NBP 106 D offers six customizable, soft-touch buttons that are backlit for easy operation in low-light environments. Network Button Panels feature the convenience of PoE.

FEATURES

- Fully customizable Network Button Panel integrates easily with an Extron Pro Series control system or HC 400 Series product
- Six backlit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Compatible with all Extron IPCP Pro control processors and HC 400 Series systems
- Network Button Panels use standard Ethernet connectivity
- PoE compatible
- Volume adjustment buttons with LED level indication



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Model	Version Description	Part Number
NBP 106 D	Decorator-Style, Black and White, 6 Button	60-1817-01

NBP 108 D

Network Button Panel with 8 Buttons - Decorator-Style Wallplate

The Extron NBP 108 D Network Button Panel is a fully-customizable AV system control interface for Extron Pro Series control systems and HC 400 Series products. Network Button Panels connect to a control processor using standard Ethernet. These customizable, easy-to-use control panels work in conjunction with a control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The NBP 108 D offers eight customizable, soft-touch buttons that are backlit for easy operation in low-light environments. Network Button Panels feature the convenience of PoE.

FEATURES

- Fully customizable Network Button Panel integrates easily with an Extron Pro Series control system or HC 400 Series product
- Eight backlit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Compatible with all Extron IP Link Pro control processors and HC 400 Series systems
- Network Button Panels use standard Ethernet connectivity
- PoE compatible



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Model	Version Description	Part Number
NBP 108 D	Decorator-Style, Black and White, 8 Button	60-1818-01

NBP 110 D

Network Button Panel with 10 Buttons - Decorator-Style Wallplate

The Extron NBP 110 D Network Button Panel is a fully-customizable AV system control interface for Extron Pro Series control systems and HC 400 Series products. Network Button Panels connect to a control processor using standard Ethernet. These customizable, easy-to-use control panels work in conjunction with a control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The NBP 110 D offers 10 customizable, soft-touch buttons that are backlit for easy operation in low-light environments. Network Button Panels feature the convenience of PoE.

FEATURES

- Ten backlit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Compatible with all Extron IP Link Pro control processors and HC 400 Series systems
- Network Button Panels use standard Ethernet connectivity
- PoE compatible



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Model	Version Description	Part Number
NBP 110 D	Decorator-Style, Black and White, 10 Button	60-1689-01

NETWORK BUTTON PANELS

NBP 100

Network Button Panel with 6 Buttons - US 2-Gang

The Extron NBP 100 Network Button Panel is a fully-customizable AV system control interface for Extron Pro Series control systems and HC 400 Series products. Network Button Panels connect to a control processor using standard Ethernet. These customizable, easy-to-use control panels work in conjunction with a control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The NBP 100 features six dual-colored backlit buttons for easy operation in low-light environments and a control knob with LED indicators for controlling various functions on virtually any device. Network Button Panels feature the convenience of PoE.

FEATURES

- Fully customizable Network Button Panel integrates easily with an Extron Pro Series control system or HC 400 Series products
- Six dual-color, customizable, backlit buttons
- Compatible with all Extron IP Link Pro control processors and HC 400 Series systems
- Network Button Panels use standard Ethernet connectivity
- Control knob with LED indicators can be used for volume, or for controlling specific functions on virtually any device that supports Ethernet, RS-232, or IR



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Model	Version Description	Part Number
NBP 100	2-Gang, Black and White, 6 Button	60-1794-01

NBP 200

Network Button Panel with 10 Buttons - US 3-Gang

The Extron NBP 200 Network Button Panel is a fully-customizable AV system control interface for Extron Pro Series control systems and HC 400 Series products. Network Button Panels connect to a control processor using standard Ethernet. These customizable, easy-to-use control panels work in conjunction with a control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The NBP 200 features 10 dual-colored backlit buttons for easy operation in low-light environments and a control knob with LED indicators for controlling various functions on virtually any device. Network Button Panels feature the convenience of PoE.

FEATURES

- Fully customizable Network Button Panel integrates easily with an Extron Pro Series control system or HC 400 Series product
- Ten dual-color, customizable, backlit buttons
- Compatible with all Extron IP Link Pro control processors and HC 400 Series systems
- Network Button Panels use standard Ethernet connectivity
- PoE compatible



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Model	Version Description	Part Number
NBP 200	3-Gang, Black and White, 10 Button	60-1795-01

For updated product availability, go to www.extron.com

TOUCHLINK PRO TOUCHPANELS

TLP Pro 525C

5" Cable Cubby TouchLink Pro Touchpanel

The TLP Pro 525C is a Cable Cubby TouchLink® Pro Touchpanel with a 5" flip-up touchscreen in a Cable Access Enclosure. It has a high-resolution, 800x480 capacitive touchscreen built with scratch and smudge-resistant Corning® Gorilla Glass® and a high-performance quad-core processor for an ultra-responsive touchscreen experience. The TLP Pro 525C supports PoE and also accommodates AC 100 Series and AC+USB Series power modules with AC and USB Type-C and/or USB Type-A and Retractor cable retraction modules, AV cables, or AAP™ AV Connectivity Modules.

FEATURES

- 5" capacitive flip-up touchscreen with 800x480 resolution and 24-bit color depth
- Cable Cubby design offers easy access to AV, data, and power connections
- Gorilla Glass® screen is tough, scratch, and smudge-resistant
- Faster, quad-core processing and eight times more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet provides power and communication over a single Ethernet cable



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Model	Version Description	Part Number
TLP Pro 525C	Black - w/o AC Module	60-1560-02
TLP Pro 525C NC	Black - w/o AC Module, No Camera	60-1560-12

TOUCHLINK PRO - ACCESSORIES

VMK 1

VESA Mount Kit for TLP Pro 725M and TLP Pro 1025M

The Extron VMK 1 is a robust, all-metal VESA Mount Kit for the TLP Pro 725M and TLP Pro 1025M which allows the touchpanels to be installed on a VESA D-compatible standard mount. In addition to easing integration, the VMK 1 also provides a discreet means for routing the Ethernet cable out the bottom of the mount for a clean appearance. The VMK 1 is available in black.

FEATURES

- VESA mount a TLP Pro 725M or TLP Pro 1025M
- Supports VESA D 75mm x 75mm mounting standards
- Provides a clean cable routing path
- Durable all-metal enclosure
- Available in black



NOW SHIPPING

Model	Version Description	Part Number
VMK 1	VESA Mount Kit, black	70-1253-12

TouchLink Adapter Mounts

Retrofit Kits for TLP Pro 725M and TLP Pro 1025M

TouchLink Adapter Mounts enable users to upgrade existing 7" or 10" wall mount touchpanels to a TLP Pro 725M or TLP Pro 1025M. These mounts allow easy retrofitting of our latest TouchLink Pro touchpanels into drywall openings that were created for previously released touchpanels and accessories. An alignment guide ensures the adapter mount will be centered in the cutout. When finished, the adapter mount provides a clean appearance with no visible screws.

FEATURES

- Upgrade to a TLP Pro 725M or TLP Pro 1025M in drywall or furniture openings previously cut for earlier released touchpanels
- TLA 2 - Compatible with TLP 710MV, TLP Pro 720M, TLP Pro 1022M, and BB 710M openings for use with a TLP Pro 725M or TLP Pro 1025M
- TLA 3 – Compatible with TLP 1000MV, TLP Pro 1020M, and BB 1000M openings for use with a TLP Pro 1025M
- Includes an alignment guide to assist with centering the new adapter mount to the existing cutout or back box
- Durable all metal construction



TLA 2

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Model	Version Description	Part Number
TLA 2	Adapter Kit TLP Pro 725M/1025M - Black	70-1254-22
TLA 2	Adapter Kit TLP Pro 725M/1025M - White	70-1254-23
TLA 3	Adapter Kit TLP Pro 1025M - Black	70-1254-32
TLA 3	Adapter Kit TLP Pro 1025M - White	70-1254-33

TOUCLINK PRO - ACCESSORIES

Angle Mount Kits

For TouchLink Pro Touchpanels and TouchLink Scheduling Panels

Extron Angle Mount Kits are specifically designed for our latest wall mount TouchLink Pro touchpanels and TouchLink Scheduling panels. They make it easy to mount a touchpanel at the perfect viewing angle while also securing it on a wall or other flat surface, even glass. The low-profile design maintains the sleek, stylish appearance of the touchpanel. When using an Angle Mount Kit on glass, the included glass overlay provides a clean, discreet look when viewed from the back of the installation. These kits are available in black and white and include a number of mounting accessories that aid in installation.

FEATURES

- Used to securely mount a TouchLink Pro touchpanel or TouchLink Scheduling panel at a 25 degree angle on a wall or other flat surface, including glass
- Kit includes pre-adhered adhesive and paper template can be downloaded to simplify alignment and installation
- Angled to provide optimum viewing when mounted at ADA height
- Design allows the LED lights on either side of touchpanel to still be visible after mounting
- Includes a glass-adhered overlay that provides a clean, inconspicuous appearance from inside the room
- Includes knock-outs for convenient and discreet Ethernet cable pass-thru



TLS scheduling panel glass mounted using AMK 2 mount



AMK 1

Model	Version Description	Part Number
AMK 1	For TLP Pro 525M and TLS 525M - Black	70-1244-12
AMK 1	For TLP Pro 525M and TLS 525M - White	70-1244-13
AMK 2	For TLP Pro 725M and TLS 725M - Black	70-1244-22
AMK 2	For TLP Pro 725M and TLS 725M - White	70-1244-23
AMK 3	For TLP Pro 1025M and TLS 1025M - Black	70-1244-32
AMK 3	For TLP Pro 1025M and TLS 1025M - White	70-1244-33

CONTROL ACCESSORIES

KNX 100G

KNX IP Interface

The Extron KNX 100G is a compact IP KNX Interface that provides control and monitoring of multiple building management disciplines with an Extron Pro Series control system. The KNX 100G provides bi-directional communication to control and receive feedback on the status of KNX devices. This enables control of lighting systems, window shades, and room climate control from a TouchLink Pro touchpanel or MediaLink Plus controller. Adding an Extron KNX 100G Interface to an Extron Pro Series control system is easy, requiring minimal configuration using ETS - Engineering Tool Software. Implement KNX control quickly by configuring the required KNX group addresses using the Extron Global Configurator device driver or Global Scripter® module for the KNX 100G.

FEATURES

- Ethernet to KNX interface
- Easily add KNX building management controls to any Extron Pro Series control system
- Supports up to 5 simultaneous KNXnet/ IP tunneling connections
- Quickly implement KNX Building Management controls by configuring KNX group addresses in Global Configurator Plus and Global Configurator Professional configuration software
- Requires minimal device configuration using the ETS Software
- Compact enclosure mounts to an industry-standard DIN rail



Certified for select countries. Please visit www.extron.com/knx for more information

NOW SHIPPING

Model	Version Description	Part Number
KNX 100G	KNX IP Interface	60-1796-01

For updated product availability, go to www.extron.com

eBUS – RACK MOUNT

EBP 108 RAAP

Rack Mount eBUS Button Panel with 8 Buttons

The Extron EBP 108 RAAP Rack Mount eBUS® Button Panel is a fully-customizable AV system control interface designed for use with Extron eBUS-enabled control systems. This easy-to-use control panel connects to an IPCP Pro control processor to perform a wide variety of AV system functions such as power On/Off, input switching, volume control, and much more. The EBP 108 RAAP features 8 dual-colored backlit buttons for easy operation in low-light environments and a volume control knob for smooth, precise volume adjustments. Four eBUS ports are available for easy system expansion. eBUS button panels are linked to a control processor and to each other using a single cable that carries both power and communication. The EBP 108 RAAP has openings for up to four single-space or two double-space AAP™ AV Connectivity Modules.

FEATURES

- Fully customizable rack mount button panel integrates easily with an Extron Pro Series control system
- Eight dual-color, customizable, backlit buttons
- Integrated four port eBUS® hub provides a common connection point for multiple eBUS devices
- Compatible with all Extron IPCP Pro control processors
- Use a single button panel or combine multiple button panels to accommodate a broad variety of system designs
- eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication



NOW SHIPPING

Model	Version Description	Part Number
EBP 108 RAAP	eBUS Rack Mount	60-1710-02

eBUS - CONTROL MODULE

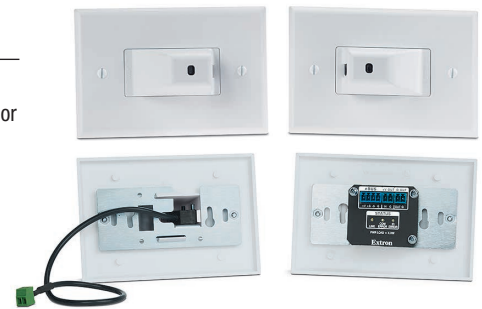
ECM S10

Partition Sensor Set

The Extron ECM S10 is a partition sensor set designed to automate AV system behavior based on the position of a movable wall. The set connects to any Extron Pro Series device equipped with a digital I/O or eBUS port. It uses an infrared beam to sense the position of a movable partition wall within divisible rooms. The ECM S10 receiver offers a digital output port and a 14 VDC output to provide power to the transmitter. For convenient integration, eBUS control modules, like the ECM S10 are linked to the control processor or to other eBUS devices using a single cable that carries both power and communication. The ECM S10 transmitter and receiver each mount into a US single gang, EU, or MK junction box and include white oversized decorator-style wallplates.

FEATURES

- Partition sensor set that automates system behavior based on the position of a moveable wall within divisible rooms
- eBUS port
- Digital output
- 14VDC output on receiver is used to power the transmitter
- DIP switches are used to set unique eBUS device addresses and minimize setup time
- eBUS-enabled receiver connects to the control processor using a single cable that carries both power and communication



NOW SHIPPING

Model	Version Description	Part Number
ECM S10	Partition Sensor	60-1705-03

SOFTWARE

Global Scripter**Integrated Development Environment for Extron Control Systems Programming**

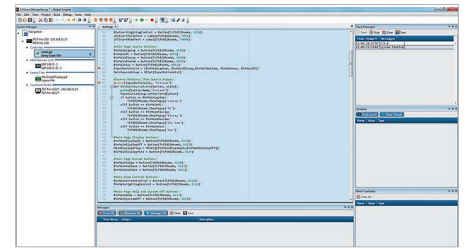
Global Scripter® is Extron's powerful and versatile control system programming software. This feature-rich integrated development environment is used to program Extron Pro Series control systems, and utilizes the easy-to-learn Python scripting language. Global Scripter includes an Extron-exclusive Python library - ControlScript®, that is designed to increase the productivity of AV programmers through incorporating functions used in AV control system projects, as well as helpful documentation, reference material, and sample code. Extron built Global Scripter and the ControlScript Python libraries with programmers in mind. Working together, these components make it easier than ever to develop refined and innovative programmable control systems.

NEW FEATURES – VERSION 2.3.0

- Efficiently deploy systems by creating and uploading a program with only the primary control processor online
- Support for the latest Extron control system hardware
- Enhanced support for IP Link Pro control processors with dedicated AV LAN ports
- Deployment mode for technicians and installers

FEATURES

- Develop AV control system programming using clean and extensible Python 3.5
- Develop, debug and deploy from a single software environment
- View user interfaces within the IDE and generate code from information in the user interface layout



Global Configurator Plus and Global Configurator Professional

Powerful Configuration Software for AV Control Systems

Global Configurator® is Extron's most powerful and versatile control system configuration software. It is designed to be used exclusively with Extron Pro Series Control products, including TouchLink® Pro touchpanels, IP Link® Pro control processors, MediaLink® Plus controllers, and eBUS® button panels and devices, and NBP Network Button Panels. Powerful features, such as conditional logic, variables, and macros provide greater flexibility for more elaborate control system designs. Global Configurator has two modes. Global Configurator Plus is ideal for smaller applications requiring one control processor and one control interface. Global Configurator Professional is suited for applications requiring multiple control processors, enhanced functionality, and advanced configuration. Access to Global Configurator Professional requires ECP Certification.

NEW FEATURES – VERSION 3.5.0

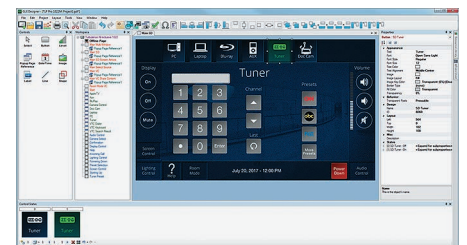
- Efficiently deploy systems by building and uploading a configuration with only the primary control processor online
- Support for the latest Extron control system hardware
- Enhanced support for IP Link Pro control processors with dedicated AV LAN ports
- SSH Driver Support
- System Export

**GUI Designer****Free Design Software for User Interfaces**

Extron GUI Designer is a software application used for the design, creation, and maintenance of Extron TouchLink® Pro user interfaces. Begin with ready-to-use design templates and resource kits, or start from scratch and build your own layout using our comprehensive software. The available design elements are fully customizable and matched carefully to popular AV system applications. In many cases, all the input sources, display control, and environmental settings are already in place. These resources are fully developed and include complete, detailed documentation.

NEW FEATURES – VERSION 1.11.0

- Support for gesture-based "Slider" objects
- Support for the latest Extron TLP Pro touchpanels and TLC Pro TouchLink Control Systems.
- Enhanced font management
- Project font selection
- Workflow improvements and enhancements



For updated product availability, go to www.extron.com

SOFTWARE

GlobalViewer Enterprise

Server-Based AV Resource Management Software

GlobalViewer® Enterprise - GVE software simplifies AV system resource management with intuitive control for hundreds of common AV tasks. Whether you're working with 5 or 5000 rooms, GVE provides a powerful, flexible way to manage, monitor, and control nearly any device over a standard network. Support teams will appreciate the agility and flexibility GVE provides to access usage data, create reports, and control the system from any computer on the network. The Help Desk view offers a look at the entire enterprise in a single window and access to detailed room data and control with just a click of a mouse.

Extron RoomAware™ delivers automation for the modern workspace. This suite of time-saving features anticipates user needs and intelligently delivers room automation and control across the enterprise. RoomAware enables smart connections between Extron devices and services to save valuable time by preparing the room for the participant prior to their arrival.

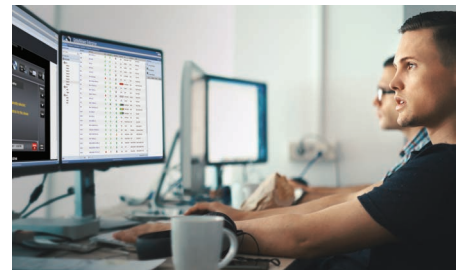
FEATURES

- Easily manage all AV devices and meeting rooms across the campus and enterprise

- Track and analyze device and room usage, proactively plan maintenance activities, and maintain inventory lists using customizable reports
- Custom reporting tools
- Extron GlobalViewer Enterprise Commissioning with every installation ensures a trouble-free system installation and optimal performance
- Enhanced monitors and schedules based on location and device type
- Seamless integration with facility scheduling software
- Extron Control for Web 2.0 with HTML5 and JavaScript
- RoomAware Outlook Add-in:
 - Acknowledges a scheduled meeting and automatically turns on all devices
 - Upon leaving the room, devices return to their previous state
- Monitor the health and status of TLS - TouchLink Scheduling panels

COMING SOON

- Monitor and view statuses for imported Sharelink Pro and HC 40X devices
- View vTLP using HTML5 which supports multiple browsers



To learn more,
visit extron.com/GVE

NOW AVAILABLE

ROOM SCHEDULING

Extron Room Scheduling

Book a Room the Easy Way

We have simplified the room booking experience with Extron Room Scheduling and our TLS Series scheduling panels. This system connects directly to popular calendaring services including Microsoft Exchange, Office 365, Google Calendar, and others. Users can reserve rooms with a couple taps on the panel or from their mobile device. Free Room Agent software makes setup a breeze, allowing you to customize the touchpanel interface with the meeting options you need. Multiple mounting choices are available for the touchpanels, including on-wall, in-wall, as well as secure mounting to almost any flat surface, including glass or granite.

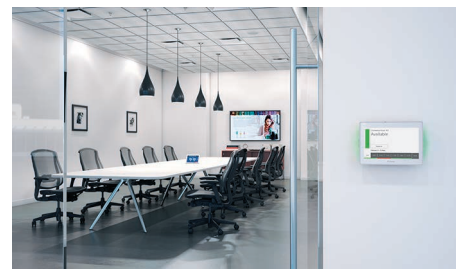
FEATURES

- Make on-demand reservations from the touchpanel, computer, or any mobile device that connects to Microsoft® Exchange, Office 365™, Google Calendar, 25Live, and EMS
- Use a variety of 5", 7", and 10" TLS TouchLink Scheduling panel sizes and mounting options ensure the right look for any application

- Easily deploy one or multiple touchpanels with similar settings
- No annual subscription or maintenance fees
- All communication between the touchpanel and calendar server is encrypted and secure
- A downloadable Scheduling Activity file lets you generate analytics on room usage, activity patterns, and trends across the enterprise
- Supports occupancy sensors to monitor the environment
- Provides service account and impersonation support

COMING SOON

- Supports integration with Ad Astra, and NFS calendaring services
- View of room availability and location from a central lobby display



To learn more,
visit extron.com/RS

NOW AVAILABLE

STREAMING AV

LinkLicense for Panopto Configurable Control with Video Content Management

Extron has joined forces with Panopto, the leading enterprising video platform provider, in a strategic partnership to deliver the industry's first unified solution for AV control, media capture, and video content management and delivery. With LinkLicense for Panopto, Extron's control system capabilities are extended for Panopto-supported capture products, providing complete control for classrooms, meeting spaces, and workspaces. Additionally, Extron SMP - Streaming Media Processors directly integrate into Panopto, supporting publishing of live and on-demand video content from SMP products for both ad-hoc and scheduled recording applications.

- FEATURES**
- Intuitive one-touch control with customizable features for advanced requirements
 - Seamless content publishing with Extron SMP capture products and Panopto
 - Flexible ad-hoc or scheduled video capture and automated workflows for both ad-hoc and scheduled events
 - Stream live events in high definition to the Panopto video platform
 - Extron certified control drivers for effortless integration



To learn more, visit extron.com/Panopto

Model	Version Description	Part Number
LinkLicense	SMP 300 Series Panopto Features	79-2562-01

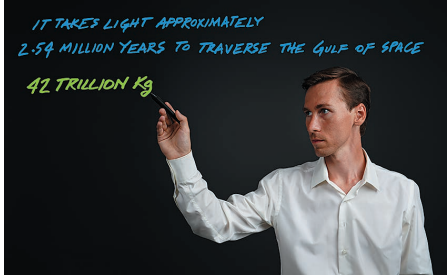
LinkLicense for SMP 111 and SMP 300 Series Add Horizontal Video Mirroring Capabilities

The Horizontal Video Mirroring Upgrade LinkLicense adds powerful features to SMP 111 and SMP 300 Series Streaming Media Processors. The expanded functionality enhances and streamlines the recording of video and audio presentations. Horizontal Video Mirroring flips video horizontally to support lightboard or other applications that require reversal of the video image due to the presenter facing the camera while writing on a transparent surface. This eliminates time and resources spent manually flipping the video in post-production. Add an Extron Pro Series Control Processor and a TouchLink Pro touchpanel for a user-friendly, integrated recording solution. A free system template for TouchLink Pro touchpanels provides easy access to SMP 111 and SMP 300 Series recording functions, including Horizontal Video Mirroring.

- FEATURES**
- Adds Horizontal Video Mirroring capabilities to any SMP 111 or SMP 300 Series processor
 - Save time and eliminate video editing in lightboard applications
 - Adjustable limit for minimum available recording time
 - Delay start of recording
 - Horizontal Video Mirroring web interface
 - Use with an Extron Pro Series control system for a full-featured recording solution



Recordings from lightboard applications will appear backwards as if seen in a mirror



Horizontal Video Mirroring automatically flips the video to create legible recordings

Model	Version Description	Part Number
LinkLicense	SMP 300 Series Horizontal Video Mirroring Upgrade	79-2553-01
LinkLicense	SMP 111 Horizontal Video Mirroring Upgrade	79-2553-02



NOW AVAILABLE

For updated product availability, go to www.extron.com

DTP SYSTEMS

DTP2 T 203

Three Input 4K/60 Switcher with Integrated DTP2 Transmitter

The Extron DTP2 T 203 is a three-input transmitter for sending DisplayPort, HDMI, audio, and control up to 330 feet (100 meters) over a shielded CATx cable to Extron DTP®-enabled products. It provides a DisplayPort input, two HDMI inputs, and a DTP2 output. The DTP2 T 203 supports video signals at resolutions up to 4K/60 at 4:4:4 chroma sampling, and complies with HDCP 2.2. Audio embedding and Ethernet remote control facilitate integration in professional environments. Integrator-friendly features include EDID Minder®, auto-switching between inputs, and bidirectional RS-232 and IR pass-through for remote AV device control. The low-profile enclosure enables discreet placement in lecterns, beneath tables, or wherever needed to meet application requirements.

FEATURES

- Transmits DisplayPort, HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer and video resolutions up to 4K/60 @ 4:4:4
- Auto-switching between inputs
- Analog stereo audio embedding
- Supports DisplayPort SST - Single Stream Transport data rates up to 21.6 Gbps
- Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- Support for HDR – High Dynamic Range video
- HDCP 2.2 compliant
- Remote power capability



DTP
SYSTEMS

18 Gbps
4K/60 4:4:4

Model	Version Description	Part Number
DTP2 T 203	Three Input 4K/60 Switcher - 330 feet (100 m)	60-1659-52

DTP2 T 202 FB

Two Input 4K/60 DTP2 Transmitter for Floor Boxes

The DTP2 T 202 FB is a two-input transmitter for sending DisplayPort, HDMI, audio, and control up to 330 feet (100 meters) over a shielded CATx cable. Its unique form factor provides a flexible floor box mounting solution that is compatible with offerings from OBO Bettermann, MK by Honeywell, Electraplan, and PUK. The DTP2 T 202 FB supports video resolutions up to 4K/60 at 4:4:4 chroma sampling, and complies with HDCP 2.2. It features analog stereo audio embedding plus automatic switching between inputs for easy operation in unmanaged locations. Designed for DTP® Systems, the DTP2 T 202 FB enables discreet placement in a floor box under a lectern, table, or wherever needed to meet application requirements.

FEATURES

- Designed to mount in a variety of floor boxes
- Transmits DisplayPort, HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer and video resolutions up to 4K/60 @ 4:4:4
- Auto-switching between inputs
- Analog stereo audio embedding
- Supports DisplayPort SST - Single Stream Transport data rates up to 21.6 Gbps
- Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- Support for HDR – High Dynamic Range video
- Remote power capability



DTP
SYSTEMS

18 Gbps
4K/60 4:4:4

Model	Version Description	Part Number
DTP2 T 202 FB	Two Input 4K/60 Floor Box Tx - 330 feet (100 m)	60-1586-52

DTP SYSTEMS

DTP2 T 204

Four Input 4K/60 HDMI Switcher with Integrated DTP2 Transmitter

The Extron DTP2 T 204 is a four-input switcher for sending HDMI and control up to 330 feet (100 meters) over a shielded CATx cable to an Extron DTP®-enabled product. It provides four HDMI inputs and a DTP2 output. The DTP2 T 204 supports video signals at resolutions up to 4K/60 at 4:4:4 chroma sampling and complies with HDCP 2.2. Ethernet remote control and contact/tally connections facilitate integration in professional environments. Integrator-friendly features include EDID Minder®, auto-switching between inputs, and bidirectional RS-232 and IR pass-through for remote AV device control. The half-rack enclosure enables discreet placement within lecterns, beneath tables, or wherever needed to meet application requirements.

FEATURES

- Transmits HDMI and control up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer and video resolutions up to 4K/60 @ 4:4:4
- Auto-switching between inputs
- Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- Support for HDR – High Dynamic Range video
- HDCP 2.2 compliant
- Remote power capability
- Ethernet monitoring and control
- DTP2 output is compatible with HDBaseT-enabled devices
- Bidirectional RS-232 and IR pass-through for AV device control
- RS-232 insertion from the Ethernet control port
- Compatible with all DTP receivers and DTP-enabled products
- Built-in Web pages
- Compatible with TeamWork® Show Me® Cables



DTP
SYSTEMS

18 Gbps
4K/60 4:4:4

Model	Version Description	Part Number
DTP2 T 204	4K/60 HDMI Switcher with DTP2 Tx - 330 feet (100m)	60-1626-01

DTP R DP 4K

DTP Receivers for DisplayPort

The Extron DTP R DP 4K 230 and DTP R DP 4K 330 are receivers that work with Extron DTP®-enabled products to send DisplayPort, audio, and bidirectional RS-232 and IR signals over a shielded CATx cable. The DTP R DP 4K 230 extends signals up to 230 feet (70 meters), while the DTP R DP 4K 330 extends signals up to 330 feet (100 meters). They provide an effective means of incorporating higher resolution DisplayPort signals with embedded audio into DTP Systems. The receivers accept analog stereo audio signals from a DTP-enabled product over the same shielded twisted pair cable. They support video resolutions up to 4K, including 2560x1600. Both DTP R DP 4K models feature a compact enclosure size and remote power capability.

FEATURES

- Receives DisplayPort plus control and analog audio over a shielded CATx cable:
Up to 230 feet (70 meters) - DTP R DP 4K 230
Up to 330 feet (100 meters) - DTP R DP 4K 330
- Supports computer and video resolutions up to 4K
- Supports DisplayPort SST - Single Stream Transport data rates up to 10.8 Gbps
- Remote power capability
- **NEW** EDID Minder® automatically manages EDID communication between connected devices
- **NEW** Comprehensive EDID management
- Accepts additional analog stereo audio signals
- Bidirectional RS-232 and IR pass-through for AV device control



DTP R DP 4K 230



DTP R DP 4K 330

DTP
SYSTEMS

4K UHD

EDID MINDER

NOW SHIPPING

Model	Version Description	Part Number
DTP R DP 4K 230	DisplayPort Rx w/EDID Minder - 230 feet (70 m)	60-1076-23
DTP R DP 4K 330	DisplayPort Rx w/EDID Minder - 330 feet (100 m)	60-1076-63

For updated product availability, go to www.extron.com

DMP 128 FlexPlus

Flexible DSP for Dante Systems



The DMP 128 FlexPlus series of compact Dante Digital Matrix Processors features twelve FlexInput channels with full DSP, including AEC, and Dante connectivity, in only a half rack space. With an extensive mix matrix, a USB audio interface, and analog compatibility, the DMP 128 FlexPlus provides the ability to easily connect and route multiple types of source signals to accommodate diverse analog and digital system requirements.

FlexPlus - Ideal for Multiple Dante Sources

The Dante-enabled DMP 128 FlexPlus series is ideal for applications that utilize Dante ceiling microphone arrays and other Dante-enabled devices. With network connectivity for up to 48 Dante sources and 24 Dante destinations, the DMP 128 FlexPlus, featuring a built-in two-port Gigabit switch, enables the creation of simplified, cost effective audio systems.

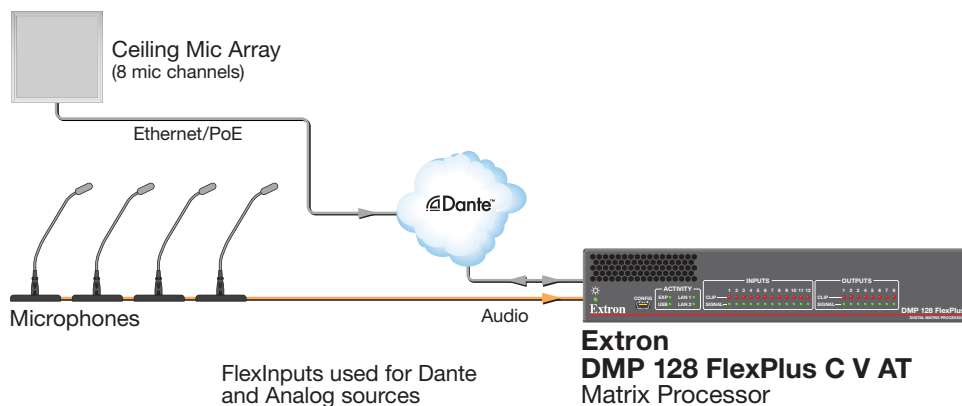
FlexInputs

All twelve main DSP channels of the DMP 128 FlexPlus offer FlexInput source selection to route any Dante input, expansion input, or one of the four mic/line inputs, to a main DSP channel. This enables the DMP 128 FlexPlus to process audio from any source with the full range of DSP capabilities, including AEC.

Features:

- 60 total inputs and 32 total outputs
- 48x24 Dante audio networking
- Dante Domain Manager and AES67 support
- Twelve full DSP channels with AEC
- USB Audio interface
- Up to eight VoIP lines
- ACP Audio Control Panel compatible
- Compact half rack size

To learn more, visit extron.com/flexplus



AUDIO PRODUCTS

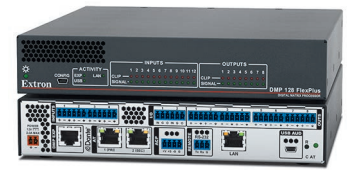
DMP 128 FlexPlus

ProDSP Dante Digital Matrix Processors

The DMP 128 FlexPlus series of compact Dante Digital Matrix Processors features twelve FlexInput channels with full DSP, including AEC, and Dante connectivity, in only a half rack space. With an extensive mix matrix, a USB audio interface, and analog compatibility, the DMP 128 FlexPlus provides the ability to easily connect and route multiple types of source signals to accommodate diverse analog and digital system requirements. For collaboration applications, the V model includes up to eight VoIP lines. Featuring an ACP bus for audio control panels, an expansion port for bidirectional digital audio connection with a DTP CrossPoint or another DMP, eight audio file players, and configurable macros, the DMP 128 FlexPlus can be used anywhere from a collaboration space, to a large conference room.

FEATURES

- Two models with 60 total inputs and 32 total outputs
- 48x24 Dante audio networking with Dante Domain Manager and AES67 support
- Twelve channels of AEC - acoustic echo cancellation
- All models include a USB Audio interface, providing up to four channels of digital audio sends and returns
- V model includes up to eight VoIP lines that support generic Session Initiation Protocol - SIP 2.0 connectivity per RFC 3261
- Compact half rack size



DMP 128 FlexPlus C AT

NOW SHIPPING

Model	Version Description	Part Number
DMP 128 FlexPlus C AT	Dante Digital Matrix Processor w/ 12 AEC	60-1820-10
DMP 128 FlexPlus C V AT	Dante Digital Matrix Processor w/ 12 AEC and VoIP	60-1821-10

DMP 64 Plus

6x4 ProDSP Digital Matrix Processors

The Extron DMP 64 Plus series of compact Digital Matrix Processors features six DSP input channels with AEC, in only a half rack space. With a flexible mix matrix, a USB audio interface, and 6x4 analog connectivity, the DMP 64 Plus provides the ability to easily connect and route signals to accommodate system requirements. The AT models can be powered by PoE+ and provide 32x16 Dante connectivity for popular Dante microphone arrays, and other Dante devices, while the V models include up to eight VoIP lines for collaboration applications. Featuring an ACP bus for audio control panels, an expansion port for bidirectional digital audio connection with a DTP CrossPoint® or another DMP, eight audio file players, and configurable macros, the DMP 64 Plus can be used in a wide variety of smaller systems.

FEATURES

- Four models with 6 mic/line inputs and 4 line outputs
- Six channels of AEC - acoustic echo cancellation
- All models include a USB Audio interface that provides up to four digital audio sends and returns
- AT models provide Dante audio network connectivity
- V models include up to eight VoIP lines
- Compact half rack size



DMP 64 Plus C AT

Model	Version Description	Part Number
DMP 64 Plus C	6x4 Digital Matrix Processor w/ AEC	60-1823-01
DMP 64 Plus C AT	6x4 Digital Matrix Processor w/ AEC and Dante	60-1823-10
DMP 64 Plus C V	6x4 Digital Matrix Processor w/ AEC and VoIP	60-1824-01
DMP 64 Plus C V AT	6x4 Digital Matrix Processor w/ AEC, VoIP, & Dante	60-1824-10

For updated product availability, go to www.extron.com

XPA ULTRA

POWER AMPLIFIERS



Extron Amplifiers Go Ultra Ultra Efficient · Ultra Cool · Ultra Reliable · Ultra Power

More than a decade ago Extron pioneered the use of Class D amplifiers in AV applications. We have continuously reinvented Class D with our meticulous approach to engineering and the development of unique, patented technologies, designed to address the particular requirements of AV workflows and integrations. And now we introduce our next great line of amplifiers, including the XPA U 358 Series, with eight channels at 35 watts, the XPA U 1004 Series, with four channels at 100 watts, and the XPA U 1002 Series, with two channels at 100 watts. These XPA Ultra models provide the flexibility and exceptional performance needed for today's AV installations.

World's First 8 Channel Half-Rack Amplifier

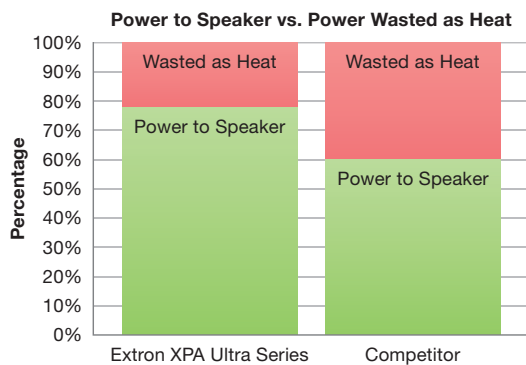
Packing eight channels into a half-rack unit, the XPA U 358 lets you install sixteen 35 watt channels in just one rack space. For applications that need more power, the XPA U 1004 can put sixteen 100 watt channels in only two rack spaces. Because XPA Ultra amplifiers run so cool, you don't need to waste empty rack spaces for ventilation.

Cool Operation

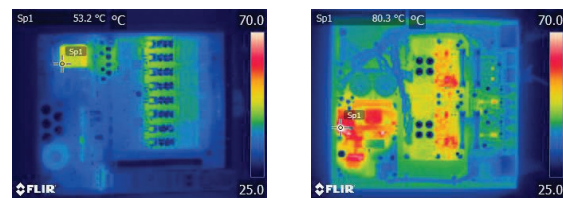
XPA Ultra amplifiers run cooler than other Class D amplifiers. This extends the life of the unit and eliminates the wasted blank rack space required by other amplifiers for ventilation.

Power Efficiency

All XPA Ultra amplifiers operate at an industry-leading efficiency greater than 75%. This reduces waste heat, resulting in reduced cooling and energy costs.

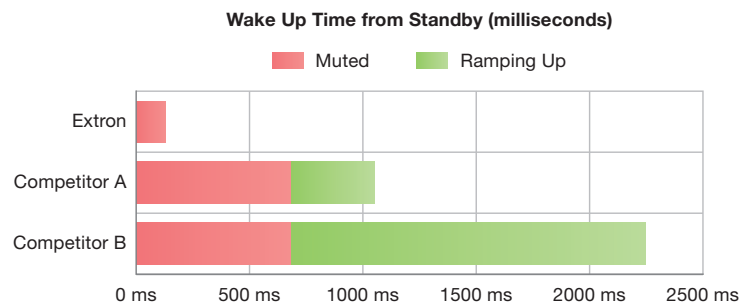


Thermal Imaging

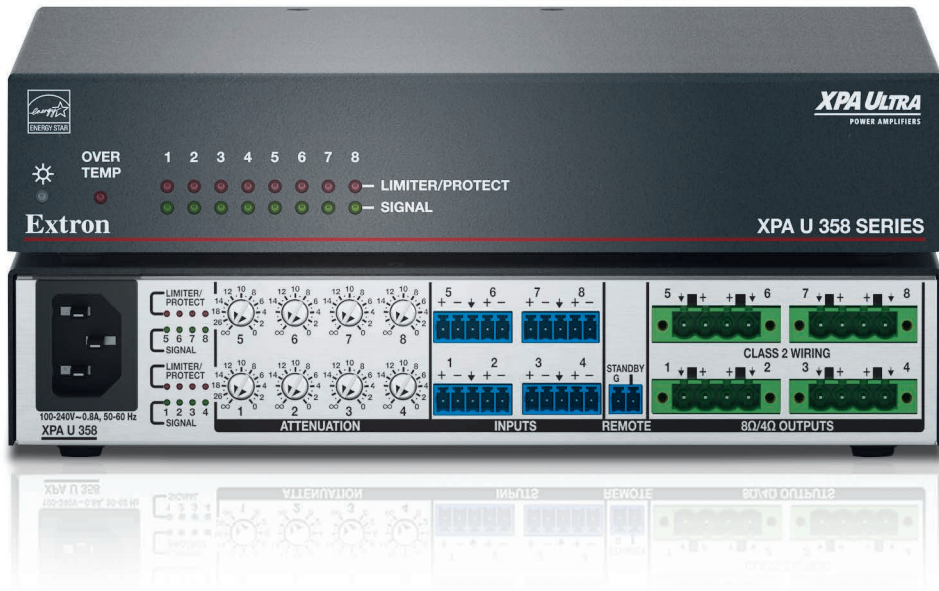


Fast Wake from Standby

When audio is detected while in standby, the XPA Ultra wakes up completely in less than 100 milliseconds, ensuring the beginning of audio is not cut off.



To learn more, visit extron.com/XPAU



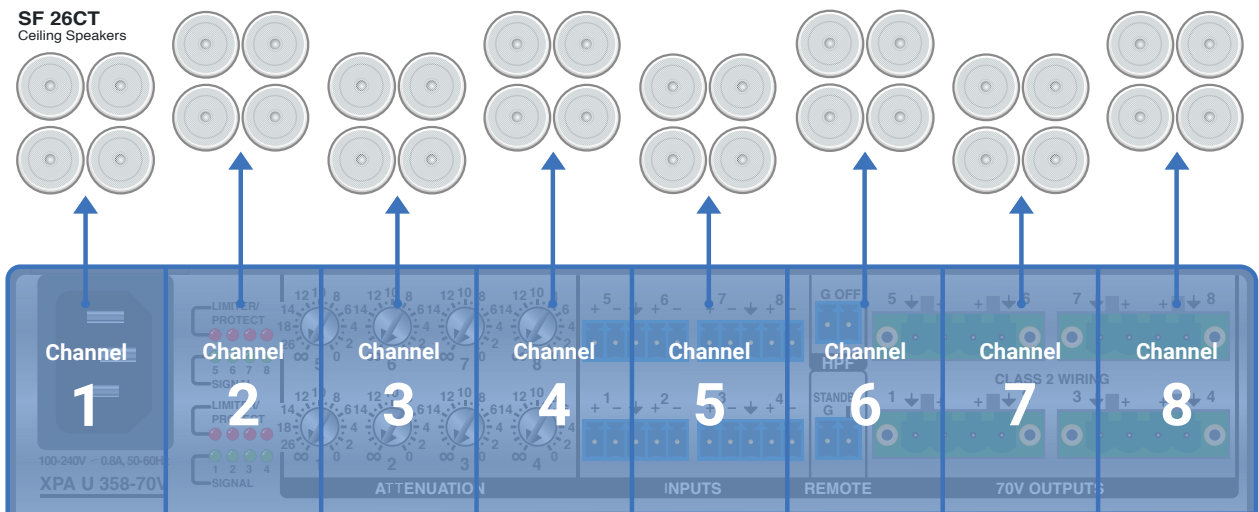
World's First 8 Channel Half-Rack Amplifier

Ultra Channel Density Lets You Deliver More Channels in Less Space

Engineered for Your Success

Packing eight channels of amplification into a half-rack unit required some serious high-level engineering. With exceptional channel density, the XPA U 358 lets you install sixteen 35 watt channels in just one rack space. For applications that need more power, four XPA U 1004 amplifiers can provide sixteen 100 watt channels in a mere two rack spaces. Rack space is often at a premium, and Extron XPA Ultra amplifiers let you install more channels into less space than ever before.

8 Channels in Just ½ Rack Space – Imagine the Possibilities



One XPA U 358-70V Can Drive 32 Speakers Tapped at 8 Watts

AUDIO PRODUCTS

XPA U 358

**Eight Channel Low and High Impedance Amplifiers
35 Watts Per Channel**

The Extron XPA U 358 is an ENERGY STAR qualified audio power amplifier delivering eight 35 watt channels in a half rack, 1U, convection cooled, plenum rated enclosure. The XPA U 358 delivers 35 watts into 8 or 4 ohms while the XPA U 358-70V delivers 35 watts into 70 volt systems. The XPA U 358 offers unprecedented channel density and ability to install units without using rack spaces for ventilation, conserving precious rack space. It features a highly efficient advanced Class D amplifier design with power factor correction and ultra low inrush current.

FEATURES

- 35 watts rms output power per channel at 8 ohms, 4 ohms, or 70/100V
- ENERGY STAR® qualified amplifier
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation - can be stacked without extra rack space for ventilation
- Eight channels in a 1U, half rack width enclosure - rack mount hardware included
- Defeatable auto-standby with fast wake up



NOW SHIPPING

Model	Version Description	Part Number
XPA U 358-70V	Eight Channel Amp, 35 watts at 70 volts.....	60-1759-02
XPA U 358-100V	Eight Channel Amp, 35 watts at 100 volts.....	60-1759-12

XPA U 358C

**Eight Channel Combo Amplifier
35 Watts Per Channel**

The Extron XPA U 358C is an ENERGY STAR qualified audio power amplifier delivering eight 35 watt channels in a half rack, 1U, convection cooled, plenum rated enclosure. The XPA U 358C simultaneously delivers 35 watts into four channels at 8 or 4 ohms and 35 watts into four channels at 70 volts. The XPA U 358C offers unprecedented channel density and ability to install units without using rack spaces for ventilation, conserving precious rack space. It features a highly efficient advanced Class D amplifier design with power factor correction and ultra low inrush current.

FEATURES

- Four channels of 35 watts at 8 ohms or 4 ohms
- Four channels of 35 watts at 70/100V
- ENERGY STAR® qualified amplifier
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation - can be stacked without extra rack space for ventilation
- Eight channels in a 1U, half rack width enclosure - single and dual rack mount hardware included
- Defeatable auto-standby with fast wake up



NOW SHIPPING

Model	Version Description	Part Number
XPA U 358C-70V	70V Eight Channel Combo Amp, 35 watts per channel.....	60-1762-01
XPA U 358C-100V	100V Eight Channel Combo Amp, 35 watts per channel.....	60-1762-11

XPA U 1004

**Four Channel Low and High Impedance Amplifiers
100 Watts Per Channel**

The Extron XPA U 1004 is an ENERGY STAR qualified audio power amplifier delivering four 100 watt channels in a half rack, 1U, convection cooled, plenum rated enclosure. The XPA U 1004 delivers 100 watts into 8 or 4 ohms while the XPA U 1004-70V delivers 100 watts into 70 volt systems. The XPA U 1004-70V offers unprecedented channel density. The XPA U 1004 Series provides the ability to install units without using rack spaces for ventilation, conserving precious rack space. It features a highly efficient advanced Class D amplifier design with power factor correction and ultra low inrush current.

FEATURES

- 100 watts rms output power per channel at 8 ohms, 4 ohms, or 70/100V
- ENERGY STAR® qualified amplifier
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation - can be stacked without extra rack space for ventilation
- Four channels in a 1U, half rack width enclosure - single and dual rack mount hardware included
- Defeatable auto-standby with fast wake up



NOW SHIPPING

Model	Version Description	Part Number
XPA U 1004	Four Channel Amp, 100 watts at 8 or 4 ohms.....	60-1760-01
XPA U 1004-70V	Four Channel Amp, 100 watts at 70 volts.....	60-1760-02
XPA U 1004-100V	Four Channel Amp, 100 watts at 100 volts.....	60-1760-12

AUDIO PRODUCTS

XPA U 1004C
Four Channel Combo Amplifier
100 Watts Per Channel

The Extron XPA U 1004C is an ENERGY STAR qualified audio power amplifier delivering four 100 watt channels in a half rack, 1U, convection cooled, plenum rated enclosure. The XPA U 1004C simultaneously delivers 100 watts into two channels at 8 or 4 ohms and 100 watts into two channels at 70 volts. The XPA U 1004C offers unprecedented channel density and the ability to install units without using rack spaces for ventilation, conserving precious rack space. It features a highly efficient advanced Class D amplifier design with power factor correction and ultra low inrush current.

FEATURES

- Two channels of 100 watts at 8 ohms or 4 ohms
 Two channels of 100 watts at 70/100V
- ENERGY STAR® qualified amplifier
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation - can be stacked without extra rack space for ventilation
- Four channels in a 1U, half rack width enclosure - single and dual rack mount hardware included
- Defeatable auto-standby with fast wake up



NOW SHIPPING

Model	Version Description	Part Number
XPA U 1004C-70V	70V Four Channel Combo Amp, 100 watts per channel . . .	60-1852-01
XPA U 1004C-100V	100V Four Channel Combo Amp, 100 watts per channel . . .	60-1852-11

XPA U 1002
Two Channel Low and High Impedance Amplifiers
100 Watts Per Channel

Extron's XPA U 1002 is an ENERGY STAR qualified, audio power amplifier delivering two 100 watt channels in a half rack, 1U, convection cooled, plenum rated enclosure. The XPA U 1002 delivers 100 watts into 8 or 4 ohms while the XPA U 1002-70V and XPA U 1002-100V deliver 100 watts into 70 volt and 100 volt systems, respectively. The XPA U 1002 offers the ability to install units without using rack spaces for ventilation, conserving precious rack space. It features a highly efficient advanced Class D amplifier design featuring power factor correction and ultra low inrush current.

FEATURES

- 100 watts rms output power per channel
- ENERGY STAR® qualified amplifier
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation - can be stacked without extra rack space for ventilation
- Two channels in a 1U, half rack width enclosure - rack mount hardware included
- **NEW** Defeatable auto-standby with fast wake up



NOW SHIPPING

Model	Version Description	Part Number
XPA U 1002	Two Channel Amp, 100 watts at 8 or 4 ohms	60-1761-01
XPA U 1002-70V	Two Channel Amp, 100 watts at 70 volts	60-1761-02
XPA U 1002-100V	Two Channel Amp, 100 watts at 100 volts	60-1761-12

For updated product availability, go to www.extron.com

AUDIO PRODUCTS

ACP 105

Audio Control Panels with 5 Buttons

The ACP 105 is a configurable audio control panel that interfaces with DMP Plus Series audio processors. It provides control of audio system functions such as source selection and preset or macro recall. The ACP 105 features five customizable, soft-touch buttons that are backlit for easy operation in low-light environments. The ACP 105 D mounts in a single gang junction box, and includes black and white decorator-style wallplates. For worldwide use, the ACP 105 EU is compatible with Flex55 modules, mounting kits, and enclosures, as well as EU junction boxes. The ACP 105 EU mounts in a single gang junction box, and includes black and white faceplates. The ACP 105 MK is for use in regions using MK-type enclosures.

FEATURES

- Fully configurable button panel integrates easily with an Extron DMP Plus Series audio DSP processor
- Five backlit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Two ACP ports allow for quick system expansion and upgrades
- Use a single button panel or combine up to eight button panels to accommodate a broad variety of system designs
- Simple yet elegant design blends well in any architectural environment



NOW SHIPPING

Model	Version Description	Part Number
ACP 105 D	Decorator-Style, Black and White, 5 Button	60-1860-01
ACP 105 EU	EU and Flex55, Black and White, 5 Button	60-1860-31
ACP 105 MK	MK Mount, White, 5 Button	60-1860-23

ACP VC1

Audio Control Panels with Volume and Mute

The ACP VC1 is a configurable audio control panel that interfaces with DMP Plus Series audio processors. This easy-to-use control panel provides volume and mute control within a room. It features a rotary volume control knob that provides smooth, precise adjustment of volume levels and an illuminated soft touch button for muting. Five bright LEDs provide at-a-glance level indication of system volume levels. The ACP VC1 D mounts in a single gang junction box, and includes black and white decorator-style wallplates. For worldwide use, the ACP VC1 EU is compatible with Flex55 modules, mounting kits, and enclosures, as well as EU junction boxes. The ACP VC1 EU mounts in a single gang junction box, and includes black and white faceplates. The ACP VC1 MK is for use in regions using MK-type enclosures.

FEATURES

- Fully configurable button panel integrates easily with an Extron DMP Plus Series audio DSP processor
- One backlit, soft-touch button that can be customized using Extron's Custom Button Builder
- Two ACP ports allow for quick system expansion and upgrades
- Use a single button panel or combine up to eight button panels to accommodate a broad variety of system designs
- Simple yet elegant design blends well in any architectural environment



NOW SHIPPING

Model	Version Description	Part Number
ACP VC1 D	Decorator-Style, Black and White, Vol/Mute Control	60-1861-01
ACP VC1 EU	Flex55 and EU, Black and White, Vol Control	60-1861-31
ACP VC1 MK	MK Mount, White, Vol Control	60-1861-23

DAC 102

Two Channel Digital to Analog Audio Converter

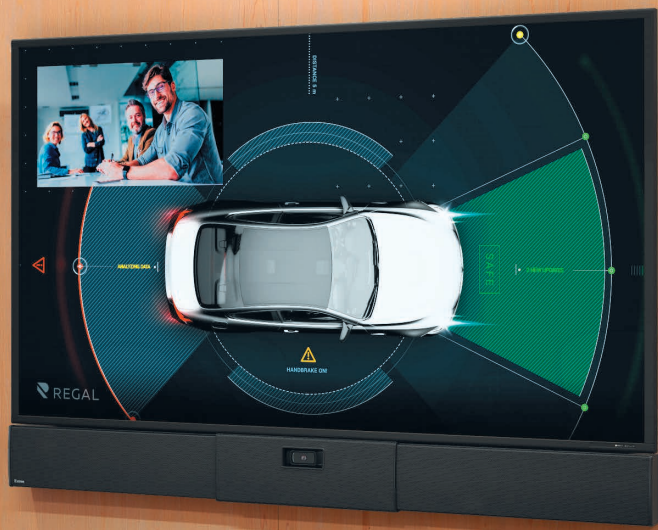
The DAC 102 is a two channel digital to analog audio converter. It accepts two channels of uncompressed digital audio signals up to 24-bit, 192 kHz, from either a Toslink or coaxial S/PDIF source, and converts the signal to balanced/unbalanced analog audio. An integrated remote volume control port allows for output level adjustment and mute control when used with compatible VCM & MLC analog volume controllers. The small form factor and included ZipClip 25 easily accommodates installations where space is limited.

FEATURES

- Provides two channel digital audio to analog conversion from a Toslink or coaxial S/PDIF source
- Remote volume port
- Small form factor
- Lip sync correction up to 100 ms
- ZipClip 25 included



Model	Version Description	Part Number
DAC 102	Two Channel Digital to Analog Audio Converter	60-1811-01



The Industry's First Adjustable Width Sound Bar

The SB 33A powered sound bar is a flexible solution for enhancing the audio in collaboration spaces. Featuring an adjustable-width design, our new sound bar can be customized to precisely match the width of the display, offering a high performing solution that looks great in any space. The SB 33A accommodates most USB webcams, while options are available to mount a PTZ camera or have no camera at all.

With an ENERGY STAR® qualified amplifier and carefully optimized drivers, the SB 33A is well suited for small to medium size spaces that require exceptional speech intelligibility and high quality reproduction of program audio. A variety of mounting and camera options are available, providing an adaptable audio solution for today's collaboration environments.

SB 33 A Adjustable Width Sound Bar

FEATURES

- Provides enhanced audio quality for collaboration spaces
- Four adjustable width models available, each with a 9" range of adjustment to create a custom look for displays from 46" to 80", diagonal
- Configurable for an internal webcam, a shelf-mounted PTZ camera, or no camera
- 3" (76 mm) full-range drivers with a tuned port for bass extension, optimized for teleconferencing and program playback
- Frequency range: 100 Hz to 20 kHz
- Internal Extron ENERGY STAR qualified Class D amplifier
- Compatible with VCM series volume and mute controllers when used without a control system



SB 33 A holds a USB webcam (camera not included)



SB 33 A with optional PTZ shelf (camera not included)



SB 33 A with optional blank center grille

To learn more, visit extron.com/SB

NOW SHIPPING

Model	Version Description	Part Number
SB 33 A 46-55	Adjustable Width Sound Bar for 46" to 55" Displays.....	60-1737-11
SB 33 A 55-65	Adjustable Width Sound Bar for 55" to 65" Displays.....	60-1737-12
SB 33 A 65-70	Adjustable Width Sound Bar for 65" to 70" Displays.....	60-1737-13
SB 33 A 75-80	Adjustable Width Sound Bar for 75" to 80" Displays.....	60-1737-14
SMK V SB 33	VESA Mounting Kit for SB 33 A Sound Bar.....	70-1192-01
SAK BCG SB 33	Blank Center Grille for SB 33 A Sound Bar.....	70-1229-01
SAK PTZ SB 33	PTZ Camera Shelf for SB 33 A Sound Bar.....	70-1260-01

For updated product availability, go to www.extron.com

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Extron

ARCHITECTURAL CONNECTIVITY

AC+USB 300 Series Power Modules Power Modules for Cable Cubby Series and Select TouchLink Enclosures

Extron AC+USB 300 Series power modules for Cable Cubby® Series and select TouchLink® enclosures are available with up to two unswitched AC power outlets plus USB Type-C and USB Type-A power outlets. The AC+USB 311 US models feature two AC outlets, along with one USB Type-C power outlet that delivers up to 45 W and a USB Type-A outlet for up to 10 W. Combined, they provide up to 55 watts of USB power. Non-US models include a USB Type-C power outlet that delivers up to 45 W and a USB Type-A outlet for up to 10 W. Combined, they provide up to 47.5 watts of USB power. The US module features an internal power supply; all others include an external Extron power supply. AC+USB 300 Series modules are available for the US, UK, EU, and France, and the Multi-Region model accepts a variety of AC plug types for ultimate flexibility.

FEATURES

- For use with Cable Cubby® Series and select TouchLink® enclosures
- AC power outlets available for US, Europe, and other major world markets
- Features USB Type-C and USB Type-A power outlets, as well as AC outlets
- US models provide a total of up to 55 watts of USB power
- Non-US modules provide up to 47.5 W of USB combined total power
- Non-US modules include a ZipClip® 200 Mounting Kit to securely mount an Extron power supply onto most surfaces, including tables and lecterns
- Non-US power modules are CE compliant



NOW SHIPPING

Model	Version Description	Part Number
AC+USB 311 US, Cord	US (2) AC, (1) USB-C, & (1) USB-A Outlets	60-1782-01
AC+USB 311 UK	UK (1) AC, (1) USB-C, & (1) USB-A Outlets	60-1782-02
AC+USB 311 EU	Europe (1) AC, (1) USB-C, & (1) USB-A Outlets	60-1782-03
AC+USB 311 FR	France (1) AC, (1) USB-C, & (1) USB-A Outlets	60-1782-06
AC+USB 311 MULTI	Multi-Region (1) AC, (1) USB-C & (1) USB-A Outlets	60-1782-10
AC+USB 311 US, Conduit	US (2) AC, (1) USB-C, & (1) USB-A Outlets, Conduit	60-1782-20

USB PowerPlate 300 Series Two Outlet USB Chargers

The Extron USB PowerPlate 300 Series provides AC and/or USB power outlets in a unique design that delivers full power to either USB outlet when only one device is connected. Each model is ideal for use with laptops, tablets, and other high current draw devices. The USB Type-C outlet supplies up to 45 W of power while the USB Type-A outlet provides up to 10 W, with a maximum combined power output of 47.5 W of power when both outlets are in use. The AAP™ and MAAP™ AV connectivity modules are available in black, and the Flex55 modules are available in black or white. Each module includes a highly reliable, Extron engineered external Everlast™ power supply that meets the Level VI standard for energy efficiency. The USB PowerPlate 200 Series is available for applications that require AC power and/or USB Type-A.

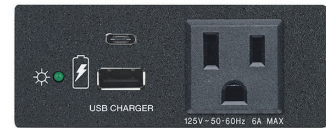
FEATURES

- Provides two USB power outlets for charging small laptops, tablets and other mobile devices
- USB Type-C outlet provides up to 45 W of power and the USB Type-A outlet provides up to 10 W, with a maximum combined power output of 47.5 W
- USB PowerPlate 311 AC AAP includes one unswitched, Edison-style AC power outlet
- Choice of AAP™ AV connectivity and MAAP™ mini AV connectivity modules in black and Flex55 modules in black or white
- External Extron Everlast™ power supply included, replacement part #70-1246-01
- Extron Everlast Power Supply is covered by a 7-year parts and labor warranty

Model	Version Description	Part Number
USB PowerPlate 311 AAP	Single-space, Black	60-1783-02
USB PowerPlate 311 AC AAP	One US AC, Double-space, Black	60-1784-02
USB PowerPlate 311 MAAP	Double-space, Black	60-1785-02
Flex55 USB 311 PowerPlate	(1) USB-C & (1) USB-A, Black	60-1786-02
Flex55 USB 311 PowerPlate	(1) USB-C & (1) USB-A, White	60-1786-03



USB PowerPlate 311 AAP



USB PowerPlate 311 AC AAP



USB PowerPlate 311 MAAP



Flex55 USB 311 PowerPlate

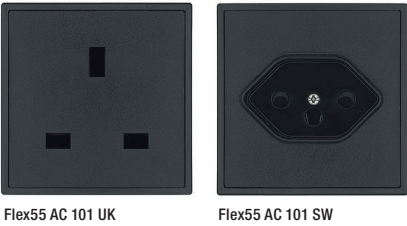
NOW SHIPPING

ARCHITECTURAL CONNECTIVITY

Flex55 AC 101 SW and Flex55 AC 101 UK Swiss and UK Power Connectivity for Extron's Elegant Flex55 Mounting Solution

The Flex55 AC 101 SW and Flex55 AC 101 UK are power modules for Flex55 mounting solutions designed for use in Switzerland and the UK. They feature one unswitched AC power outlet for charging mobile devices such as smartphones, tablets, and laptops. The Flex55 AC 101 SW and Flex55 AC 101 UK modules come equipped with an attached 28 cm IEC pigtail. These power modules are CE compliant. The Flex55 AC 101 SW and Flex55 AC 101 UK are available in a black finish.

- FEATURES**
- Designed for use with Extron's elegant Flex55 frames and enclosures
 - AC power modules offer one unswitched AC power outlet per module
 - AC power modules include an attached 11" (0.28 m) IEC pigtail
 - All Flex55 100 Series power modules are CE compliant when installed



Flex55 AC 101 UK Flex55 AC 101 SW

NOW SHIPPING

Model	Version Description	Part Number
Flex55 AC 101 UK	One UK Outlet, Black	60-1692-32
Flex55 AC 101 SW	One Switzerland Outlet, Black	60-1692-42

Retractor Series/2 for USB and Mini DisplayPort Cable Retraction System with Speed Control

Retractor Series/2 modules are variable-speed cable retraction and management systems for AVEdge 100, EBP 1200C, TLP Pro 725C, and Cable Cubby enclosures, as well as the TMK 120 R Table Mount Kit. Retractor Series/2 cables extend up to three feet (90 cm), and Retractor Series/2 XL models support cable extension up to five feet (152 cm).

- FEATURES**
- **NEW** Supports video resolutions up to 4K/30
 - Retractor Series/2 cables support cable extension up to three feet (90 cm)
 - Retractor Series/2 XL cables support cable extension up to five feet (152 cm)
 - Holds cable securely in place at a user-defined length
 - Patented, precise variable-speed cable retraction control provides more than 50 steps of adjustment between 1.5 and 4.0 seconds
 - Engineered for long life and reliability, and tested to exceed 7,500 cable extension and retraction cycles

USB-C to DisplayPort and USB-C to HDMI
USB-C to DisplayPort and USB-C to HDMI modules connect USB-C sources that support DisplayPort Alt Mode to DisplayPort or HDMI peripheral devices. They support video resolutions up to 4K/30.

Mini DisplayPort to HDMI
The Mini DisplayPort to HDMI retractor module converts DisplayPort signals to HDMI. It supports video resolutions up to 4K/30.



Retractor Series/2 USB-C Power



Retractor Series/2 XL Mini DisplayPort-HDMI

NOW SHIPPING

Model	Version Description	Part Number
Retractor USB 3.0	USB 3.0 Type-A to USB Type-B; 3 feet (90 cm)	70-1065-06
Retractor USB-C - HDMI	4K USB-C to HDMI; 3 feet (90 cm)	70-1065-51
Retractor USB-C - DisplayPort	USB-C to DisplayPort; 3 feet (90 cm)	70-1065-52
Retractor XL USB-C - HDMI	4K USB-C to HDMI; 5 feet (152 cm)	70-1066-51
Retractor XL USB-C - DisplayPort	USB-C to DisplayPort; 5 feet (152 cm)	70-1066-52
Retractor Mini DisplayPort-HDMI	4K Mini DisplayPort to HDMI; 3 feet (90 cm)	70-1065-44
Retractor XL Mini DisplayPort-HDMI	4K Mini DisplayPort to HDMI; 5 feet (152 cm)	70-1066-44

For updated product availability, go to www.extron.com

MOUNTING HARDWARE

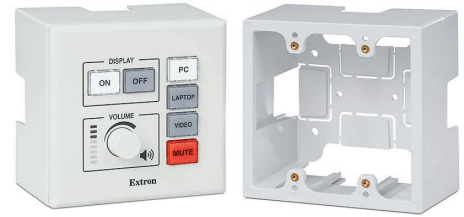
EWB 112

External Wall Box for Extron US Two-Gang Wallplates

The Extron EWB 112 external wall box is an enclosure for US two-gang wallplates. The EWB 112 is designed with sufficient depth to house faceplate wiring and accepts cable runs from a surface-mounted raceway or rear wall space. It mounts two-gang wallplates such as the Extron MLC Plus 100 MediaLink® control panel onto a wall or other flat surface. The EWB 112 is available in a durable white finish.

FEATURES

- Designed to house faceplate wiring and take in cable runs from a surface-mounted raceway or rear wall space
- EWB 112 includes four knockouts for external raceway channels
- Available in a durable white finish



EWB 112 shown with MLC Plus 100 wallplate

NOW SHIPPING

Model	Version Description	Part Number
EWB 112	Two-gang; White	70-1252-23

SPECIALIZED PRODUCTS

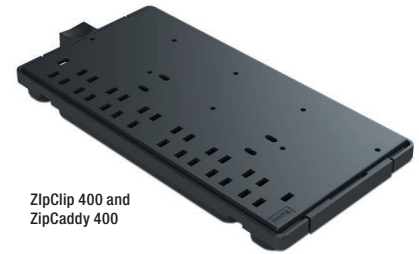
ZipClip 400

Mounting Kit for 1/8, 1/4, and 1/2 Rack Width Products

The Extron ZipClip 400 mounting kit provides quick and flexible installation of 3"-deep, eighth-rack, quarter-rack, and half-rack width Extron products. The kit also works well with many 6"-deep products. This patented two-piece kit includes the ZipClip 400, which mounts easily under a table, on a shelf, or to a rack rail, and the ZipCaddy™ 400. The ZipCaddy provides a secure mounting platform for one or two Extron products, depending on size. Installation of the ZipCaddy requires nothing more than a simple "click" of the clip to securely lock it into place, and it is removed using the quick-release tab.

FEATURES

- Enables Extron products to be quickly and securely mounted to rack rails, tables, shelves, and lecterns
- Wire tie slots for proper strain relief and dressing of excess cable
- Supports eighth-rack, quarter-rack, and half-rack width products
- Quick release tab allows for easy installation and removal
- Designed and manufactured by Extron



ZipClip 400 and ZipCaddy 400

Model	Version Description	Part Number
ZipClip 400	Qty. 10 mounting clips and accessories.....	101-031-01

PS 1220

Smaller, More Efficient 12 V, 2 A Extron Everlast Power Supply

The newly redesigned Extron PS 1220 is a 12-Volt, 2 A power supply that exceeds Level VI standards for energy efficiency, conserving power and reducing operational costs. It snaps into the included ZipClip® 100 mounting bracket for secure installation to rack rails, tables, or lecterns. The enclosure size is 50% smaller at 1U high, eighth-rack width and features threaded inserts to mount the power supply directly on Extron rack shelves. MTBF has doubled to 600,000 hours and the PS 1220 power supply now provides a three-foot (0.94 meter) attached DC cable.

FEATURES

- 12 VDC, 2 A Extron Everlast Power Supply
- 50% smaller at 1U high, eighth rack width
- MTBF doubled to 600,00 hours
- Energy efficiency increased from Level V standards to Level VI
- Extremely low 60 milliwatt draw with no load
- 90% efficient at full load
- Attached DC power cord simplifies integration
- Patented ZipClip® 100 mounting bracket included for easy installation
- Mounts securely on a variety of surfaces, including rack rails, tables, lecterns, projector poles, and table legs
- LED indicator for power



NOW SHIPPING

Model	Version Description	Part Number
PS 1220	12 V, 2 A, Eighth Rack	70-1259-01

EXTRON WHITE PAPERS

SNMP Primer

Using SNMP with Extron Pro Series Control Products

SNMP is the standard protocol for managing basic functions on a network. Extron Pro Series control products support the SNMP standard and allow users to update basic information on these devices. This white paper gives a brief overview of SNMP and explains how to enable and configure SNMP using Extron Toolbelt software.

Call your Extron Representative for a copy.



Encryption and Certificates

Understanding Encryption and Security Certificates for Networked AV Systems

When AV system designers specify and deploy networked AV systems, security is always a primary concern. This white paper provides a brief overview of certificates and encryption, and how they ensure robust network security. Certificates ensure that only trusted parties receive information, while encryption ensures all communications are secure. This white paper also explains how Extron Pro Series control processors utilize certificates and encryption, along with industry best practices, to secure the AV control ecosystem.

Call your Extron Representative for a copy.



802.1X Primer

802.1X Authentication for Securing AV Systems

IEEE 802.1X is an international standard for connection-based device authentication. Extron Pro Series control products support the 802.1X standard and allow users to upload digital certificates to support multiple authentication methods under 802.1X. This white paper gives a brief overview of 802.1X and explains how to enable and configure 802.1X using Extron Toolbelt software.

Call your Extron Representative for a copy.



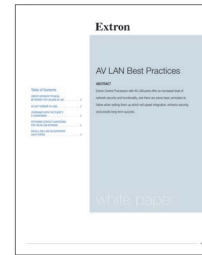
For updated product availability, go to www.extron.com

EXTRON WHITE PAPERS

AV LAN Best Practices**Best Practices for Integrating Pro Series Control Processors with AV LAN Ports**

Extron control processors with AV LAN ports offer an increased level of network security and functionality, and there are some basic principles to follow when setting them up which will speed integration, enhance security, and provide long-term success.

Call your Extron Representative for a copy.


Extron Multi-Network Control Processors
Networking Strategies and Deploying Pro Series Control Processors with AV LAN Ports

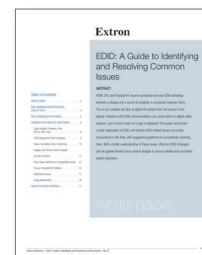
Multi-network control processors enable AV system designers to balance the need for access to network resources and network security. The control processor with AV LAN ports sits between devices like video codecs and presentation computers on the corporate LAN and isolates AV devices on the segregated and secure AV LAN that do not require network resources, such as a touchpanel. This white paper discusses networking strategies for AV control systems and provides strategies to deploying control processors with AV LAN ports using Global Configurator Plus and Professional, Global Scriptor, and Toolbelt.

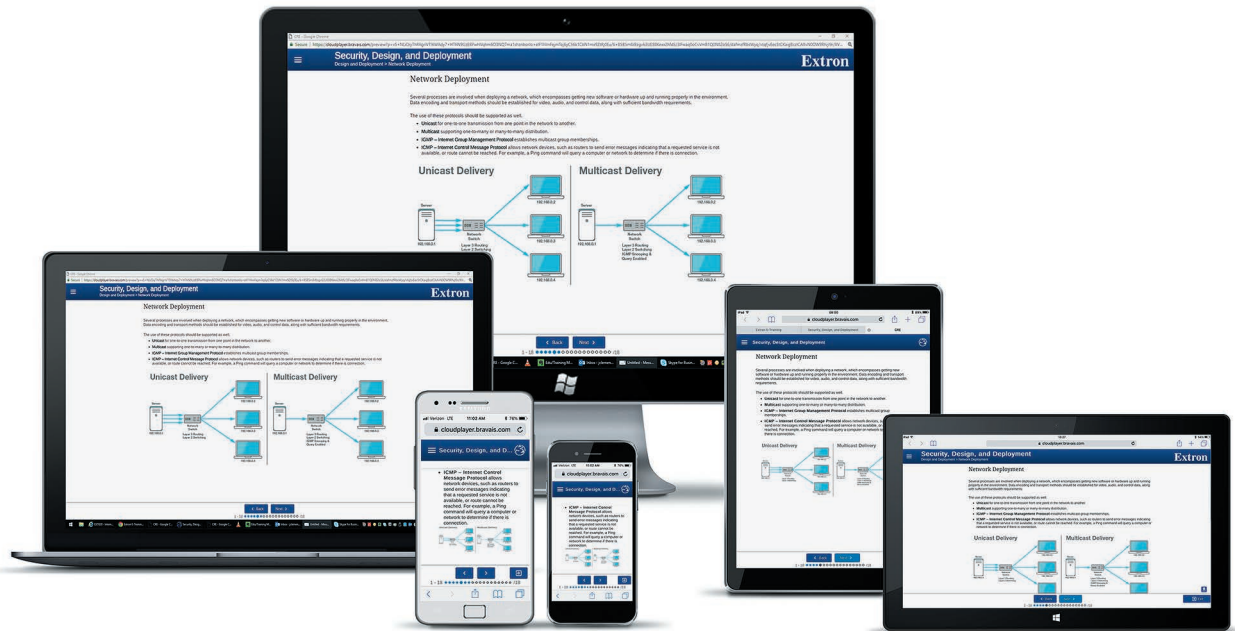
Call your Extron Representative for a copy.


EDID: A Guide to Identifying and Resolving Common Issues
Strategies for EDID Communication, Protocol and Field-Related Issues

HDMI, DVI, and DisplayPort require successful two-way EDID exchange between a display and a source to establish a connection between them. This in turn enables the flow of digital AV content from the source to the display. Problems with EDID communications can cause failure in digital video systems, and in some cases no image is displayed. This paper will provide a clear explanation of EDID, and identify EDID-related issues commonly encountered in the field, with suggested guidelines for successfully resolving them. With a better understanding of these issues, effective EDID strategies can be applied toward future system designs to ensure reliable and consistent system operation.

Call your Extron Representative for a copy.





Extron Courses and Videos - Anytime. Anywhere.

Online Training That Fits Your Busy Life

The Extron online training portal has been re-engineered from the ground up. It's easier than ever to access the quality Extron training you expect, whenever and wherever your need it. Our new online training site lets you access courses and videos using any desktop, tablet, or mobile device. Several online courses are now available to help you expand your skill set and demonstrate your expertise. All courses and certifications offer continuing education units for AVIXA and BICSI certifications.

Online Offerings

AV Principles – AVP

Online Training

- Series of no-cost online training sessions can be completed from home or work
- Provides a general understanding of AV technology
- Designed to increase awareness of Extron solutions and system applications

Extron Control Specialist – ECS

Online Certification

- Learn to successfully deploy and maintain customized AV control systems
- Configure Extron Pro Series control products using Extron Global Configurator™ Plus software
- Focus on control system customization for a wide range of applications and remote system management

AV Associate – AVA

Online Certification

- Comprehensive training on fundamental AV technologies
- Overview of Extron products and applications
- Complete the modules at your own pace for industry-wide accreditation

How-To Videos

- Short tutorials on the latest features of Extron software, basic AV skills and device installation
- Step-by-step device installation and software click-thru videos
- Helpful instruction that can be easily accessed from anywhere

Extron ProDSP Specialist - EDSP

Online Training

- Learn to deploy and maintain AV systems that include Extron ProDSP products
- Explore advanced features within Extron DSP Configurator Software
- Demonstrate mastery of DSP system configuration, control, management, and troubleshooting

MediaLink Plus Controller Configuration Principles

Online Training

- Intro to Global Configurator Plus software
- Learn to configure a complete MediaLink Plus control system
- Configure systems for a wide range of applications

Learn More

To find out more about Extron Online Training, contact your Extron S3 Customer Support Representative



School of Emerging Technologies 4K

The Essential Course for AV Professionals
Who Design and Integrate 4K Systems

The School of Emerging Technologies 4K provides in-depth instruction that allows system designers, resellers, consultants, and AV beginners to master 4K AV technologies within a short time span. The training concentrates on preparing AV infrastructure for current 4K needs and an 8K future. The instruction shows how to design digital 4K AV systems by teaching concepts and techniques for a range of technologies. The student-instructor ratio is kept low to ensure that each class member receives individual attention. The School of Emerging Technologies 4K provides instructor-led training and demonstration along with hands-on experiences in real-world scenarios to reinforce learning.

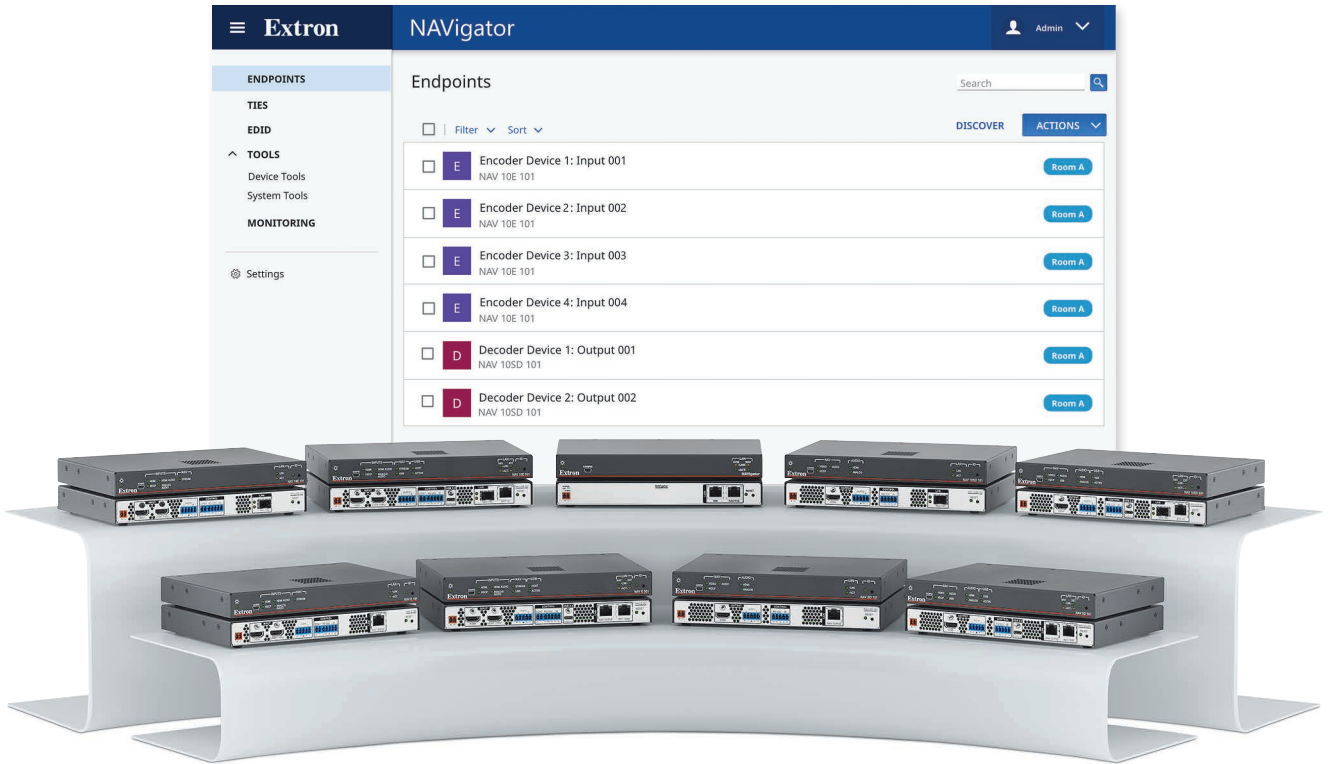
Course Content

The School of Emerging Technologies 4K is a two-day course that consists of the following general categories:

- Master the methods for designing digital AV systems that incorporate 4K, deep color, HDR and other emerging technologies
- Understand the capabilities of signal processors and how they can be used to improve presentations
- Learn how fiber optic cables work, their performance characteristics, and when to use fiber optic cable
- Determine how to manage AV streaming latency, compression, and bandwidth for optimal results within a networked environment
- See how digital signal processing allows the operator to alter audio signals in terms of time, spectrum, or level
- Utilize Extron Pro Series control products, software, and technologies to configure user-friendly AV system control

[Learn More](#)

To find out more about the School of Emerging Technologies 4K training course,
contact your Extron S3 Customer Support Representative.



Network AV Specialist Certification

Learn Best Practices for Networked AV System Design and Deployment

The Extron Network AV Specialist - NAVS certification program prepares individuals to successfully design, deploy, troubleshoot and commission networked AV systems using Extron NAV™ encoders, decoders, and software. Course participants will learn advanced techniques for streaming Pro AV over IP with an emphasis on low latency, bandwidth management, and signal quality. They will also learn to configure point-to-point and multipoint-to-multipoint networked AV systems and best practices for deploying Extron NAVigator, a hardware appliance for the secure management, configuration, and control of NAV Pro AV over IP systems. In addition, the Network AV Specialist program includes opportunities for hands-on experience with system design, configuration, validation, troubleshooting, and commissioning.

With this certification, you will:

- Gain an understanding of Pro AV over IP
- Configure point-to-point and multipoint-to-multipoint networked AV systems
- Get hands-on experience with Extron NAV System encoders, decoders, and software
- Explore when and how to deploy Extron NAVigator Pro AV over IP System Manager
- Design simple to complex AV over IP real world systems
- Learn effective NAV system fault identification and troubleshooting techniques

[Learn More](#)

To find out more about Network AV Specialist Certification, contact your Extron S3 Customer Support Representative.



Extron Satisfaction Guarantee

As a leading manufacturer in the AV industry, we are committed to engineering and manufacturing our products to the highest standards of quality, performance, and value. From our advanced product design, manufacturing and quality control procedures to our friendly and knowledgeable support teams, our commitment to satisfy you is paramount. In every interaction with Extron, you can be confident you will receive our S3 commitment to Service, Support, and Solutions. For 36 years, our objective has been to ensure that every customer is completely satisfied with every purchase.

To underscore this commitment, we offer our Satisfaction Guarantee. This means we will work diligently to resolve any issue you have with your purchase until you are completely satisfied. Extron employees are prepared to do whatever it takes to make certain that the entire process of doing business with us is a positive and professionally rewarding experience for you.

I'm so confident in our ability to deliver on this pledge that I back it personally. If you are not satisfied with any part of your transaction with Extron, I want to know. Please contact me at president@extron.com. I will personally address any unresolved customer issue. We greatly appreciate your business. It is our intent to keep you as a customer for life.

A handwritten signature in black ink, reading "Andrew C. Edwards", is positioned above the printed name.

Andrew C. Edwards
President





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