IP-Enabled Audio Distribution

ELAN

ELAN® Multi Zone IP Audio System

AUTO DISCOVER CONFIGURE

ELAN® IP-Enabled Audio Distribution simplifies audio distribution and enhances the ELAN intelligent control platform by delivering high quality audio over existing networks. Easily scaling from a single chassis solution to a decentralized multi-chassis / multi-source implementation, ELAN IP Audio meets the needs for projects of virtually any size. The amplifiers and preamps give installers flexibility of installation by decentralizing provisioning when necessary.

Now, take advantage of the network to distribute audio — place sources and amplifiers where they make the most sense.

Dante®

- Dante® audio networking technology leverages standard IP networks
- High-quality, uncompressed audio with near-zero latency
- Dramatically reduces cabling and labor costs
- Installs easily using off-the-shelf IT networking equipment and cables
- Enables decentralized installations, with sources and amplifiers placed in ideal locations
- Support for up to 64 individual audio zones

IP-Enabled Audio Distribution

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EL-IPD-MTX-8CH

MULTI ZONE AUDIO MATRIX

- Supports single chassis or multi chassis configuration with the optional Dante-enabled, Network Audio Card
- Supports up to 12 individual audio zones
- 80WPC at 8Ω, 100WPC at 4Ω
- 5-Band EQ for each speaker and preamp zone
- Individual lip sync correction for each zone

EL-IPD-AMP-EXT

MULTI ZONE AUDIO EXTENDER

- Adds up to 8 individual audio zones
- 80WPC at 8Ω, 100WPC at 4Ω
- 5-Band EQ for each speaker and preamp zone
- Individual lip sync correction for each zone
- Requires EL-IPD-MTX-8CH, EL-IPD-PRE-MSI, or EL-IPD-PRE-SSI

EL-IPD-PRE-MSI

MULTI ZONE PREAMP AUDIO MATRIX

- Supports single chassis or multi chassis configuration with the optional Dante Network Audio Card
- Supports up to 23 individual input sources
- Supports up to 12 preamp zones
- 5-Band EQ for each preamp zone
- Individual lip sync correction for each zone

EL-IPD-PRE-SSI

LOCAL AUDIO SOURCE

- Provides a way to deliver two channel PCM audio from a single remote source to a Dante-enabled ELAN® Audio Matrix over an existing standard local area network
- Adds an additional source to an ELAN Dante-enabled Audio Matrix system
- Place behind every TV to provide audio return to the amplifier using Dante audio networking

EL-IPD-NAC-EXT

NETWORK AUDIO CARD

- Adds Dante audio networking functionality to EL-IPD-8CH-MTX Multi Zone Audio Matrix and EL-IPD-PRE-MSI Multi Zone Preamp Audio Matrix
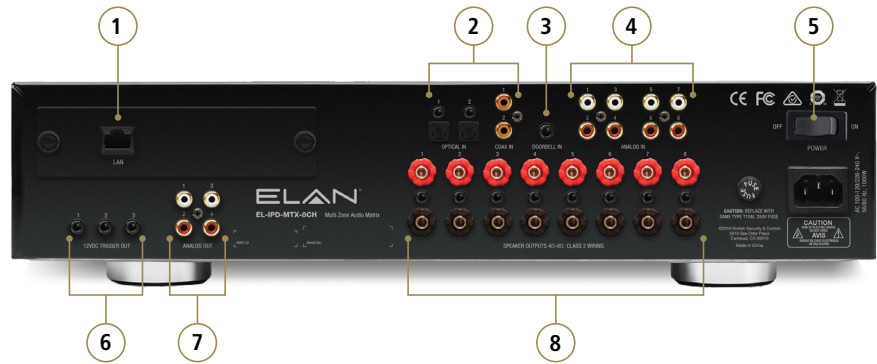
EL-IPD-MTX-8CH Multi Zone Audio Matrix

ORDER NO. EL-IPD-MTX-8CH

The EL-IPD-MTX-8CH Multi Zone Audio Matrix can be used in a single chassis configuration or with other amplifiers and preamps within the ELAN® IP audio distribution family of products by adding the optional Dante-enabled, Audio Network Card.

- Up to 13 input sources
- 8 speaker channels
- 4 preamp outputs configurable as left, right, mono, or sub out
- 3 trigger outputs
- Individual lip sync delay for each zone
- 5-band equalizer for each zone

The optional EL-IPD-NAC-EXT Network Audio Card adds the ability to combine multiple chassis in to one system.

Using Dante audio networking, the chassis can be linked using standard networking equipment.

ITEM	DESCRIPTION
1 Network ■ 1 RJ45 Jack	100/1000 Ethernet DHCP Enabled by Default
2 Digital Audio Inputs ■ 2 Optical TOSLINK Inputs ■ 2 Coax RCA Inputs	Stereo, PCM, 96kHz, 24-bit
3 Doorbell Audio Input ■ 3.5mm Stereo Input	Maximum input level: 2.0 VRMS Input sensitivity: 0dbV (1.0 VRMS) Input impedance 47k Ω to 49k Ω
4 Line Level Audio Inputs ■ 4 Stereo / 8 Mono Analog RCA Inputs ■ Configurable to Left, Right, or Mono	Max input level 2.0 VRMS Input Sensitivity: 0dbV (1.0 VRMS) Input Impedance: 47k Ω-49k Ω
5 Power	AC 100-120 / 220-240 V~ 50/60Hz, 1,000W
6 Trigger Outputs ■ 3.5mm Mono	Zone Trigger / System Trigger Outputs Pinout: Tip = signal, Sleeve = ground Output: +12Vdc, 100mA current limit
7 Preamp Outputs ■ 2 Stereo / 4 Mono Analog RCA Preamp Outputs ■ Configurable to Left, Right, Mono, or Sub-woofer	Fixed or variable line level output Fixed: 0 dB nominal gain Variable: -50 to +0dB at 0.5dB per step Unbalanced Output impedance: 470 Ω
8 Amplifier Output ■ 4 Stereo / 8 Mono Amplified Outputs ■ Configurable to Left, Right, or Mono	Output Power: 80W at 8Ω, 100W at 4Ω THD: < 0.05% @ 1kHz Frequency Response: 20Hz to 20kHz, +.5dB/-.5dB Crosstalk: >60dB @ 1kHz/1W Signal to Noise: >100dB
Lip Sync Delay ■ Individual Lip Sync Delay for Each Zone	Delay Time: 0 - 400ms Adjustable: 10ms increments
Tone Control ■ Individual Tone Control for Each Speaker and Preamp Zone	Five-band equalizer, Loudness on/off, High/Low pass Adjustable Crossover Points
Temperature	Operating Temperature: +5° C – +45° C (+41°F - +113°F) Operating Humidity: 0 – 90% non-condensing Storage Temperature: 0° C – +60° C (32°F - +140°F)
Dimensions	WITH FEET: 17"D x 17"W x 4"H (in) / or 431.8 D x 431.8 W x 101.6 H (mm) WITHOUT FEET: 17"D x 17"W x 3.5"H (in) / or 431.8 D x 431.8 W x 88. 9 H (mm) Weight: 21.9 lbs / 9.93 Kg

EL-IPD-AMP-EXT Multi Zone Audio Extender

ORDER NO. EL-IPD-AMP-EXT

The EL-IPD-AMP-EXT Multi Zone Audio Extender is designed to be used with other amplifiers and preamps within the ELAN® IP audio distribution family of products using Dante audio networking.

- 8 speaker channels

- 4 preamp outputs configurable as left, right, mono, or sub out

- Individual lip sync delay for each zone

- 5-band equalizer for each zone

NOTE: The EL-IPD-AMP-EXT cannot be used as a standalone unit. It requires another Dante-enabled ELAN amplifier or preamp.

ITEM	DESCRIPTION
1 Network ▪ 1 RJ45 Jack	100/1000 Ethernet DHCP Enabled by Default
2 Power	AC 100-120 / 220-240 V~ 50/60Hz, 1000W
3 Trigger Outputs ▪ 3.5mm Monoo	Zone Trigger / System Trigger Outputs Pinout: Tip = signal, Sleeve = ground Output: +12Vdc, 100mA current limit
4 Preamp Outputs* ▪ 2 Stereo / 4 Mono Analog RCA Preamp Outputs ▪ Configurable to Left, Right, Mono, or Sub-woofer	Fixed or variable line level output Fixed: 0dB nominal gain Variable: -50 to +0dB at 0.5dB per step Unbalanced Output impedance: 470 Ω
5 Amplifier Outputs* ▪ 4 Stereo / 8 Mono Amplifier Outputs ▪ • Configurable to Left, Right, or Mono	Output Power: 80W at 8Ω 100W at 4Ω THD: < 0.05% @ 1kHz Frequency Response: 20Hz to 20kHz, +.5dB/-.5dB Crosstalk: >60dB @ 1kHz/1W Signal to Noise: >100dB
Lip Sync Delay ▪ Individual Lip Sync Delay for Each Speaker and Preamp Zone	Delay Time: 0 - 400ms Adjustable: 10ms increments
Tone Control ▪ Individual Tone Control for Each Zone	Five-band equalizer, Loudness on/off, High/Low pass Adjustable Crossover Points
Temperature	Operating Temperature: +5° C − +45° C (+41°F - +113°F) Operating Humidity: 0 − 90% non-condensing Storage Temperature: 0° C − +60° C (32°F - +140°F)
Dimensions	WITH FEET: 17"D x 17"W x 4"H (in) / or 431.8 D x 431.8 W x 101.6 H (mm) WITHOUT FEET: 17"D x 17"W x 3.5"H (in) / or 431.8 D x 431.8 W x 88. 9 H (mm) Weight: 21.35 lbs / 9.68 Kg

*A maximum of 8 zones can be configured using the preamp and speaker outputs.

EL-IPD-PRE-MSI Multi Zone Preamp Audio Matrix

ORDER NO. EL-IPD-PRE-MSI

The EL-IPD-PRE-MSI Multi Zone PREAMP Audio Matrix can be used in a stand-alone configuration with external amplifiers / AVRs or with other amplifiers and preamps within the ELAN® IP audio distribution family of products by adding the optional Dante-enabled, Audio Network Card.

- Up to 23 input sources
- 12 preamp outputs configurable as left, right, mono, or sub out
- Individual lip sync delay for each zone
- 5-band equalizer for each zone

The optional EL-IPD-NAC-EXT Network Audio Card adds the ability to combine multiple chassis in to one system.

Using Dante audio networking, the chassis can be linked using standard networking equipment.
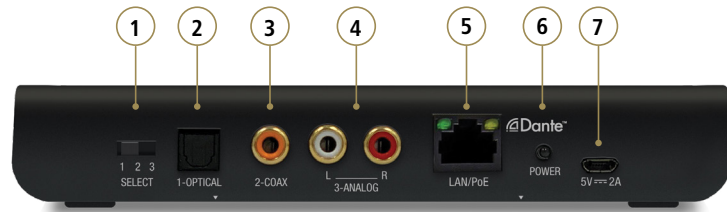
ITEM	DESCRIPTION
1 Network ■ 1 RJ45 Jack	100/1000 Ethernet DHCP Enabled by Default
2 Digital Audio Inputs ■ 3 Optical TOSLINK Inputs ■ 3 Coax RCA Inputs	Stereo, PCM, 96kHz, 24-bit
3 Line Level Audio Inputs ■ 8 Stereo / 16 Mono Analog RCA Inputs ■ Configurable to Left, Right, or Mono	Maximum input level: 2.0 VRMS Input sensitivity: 0dbV (1.0 VRMS) Input impedance 47k 'Ω to 49k 'Ω
4 Doorbell Audio Input ■ 3.5mm Stereo Input	Max input level 2.0 VRMS Input Sensitivity: 0dbV (1.0 VRMS) Input Impedance: 47k 'Ω-49k 'Ω
5 Power	AC 100-120 / 220-240 V~ 50/60Hz, 1,000W
6 Trigger Outputs ■ 3.5mm Mono	Zone Trigger / System Trigger Outputs Pinout: Tip = signal, Sleeve = ground Output: +12Vdc, 100mA current limit
7 Preamp Outputs ■ 6 Stereo / 12 Mono Analog RCA Preamp Outputs ■ Configurable to Left, Right, Mono, or Sub-woofer	Fixed or variable line level output Fixed: 0dB fixed gain Variable: -50 to +0dB at 0.5dB per step Unbalanced Output impedance: 470 'Ω
Lip Sync Delay ■ Individual Lip Sync Delay for Each Speaker and Preamp Zone	Delay Time: 0 - 400ms Adjustable: 10ms increments
Tone Control ■ Individual Tone Control for Each Zone	Five-band equalizer, Loudness on/off, High/Low pass Adjustable Crossover Points
Temperature	Operating Temperature: +5° C – +45° C (+41°F - +113°F) Operating Humidity: 0 – 90% non-condensing Storage Temperature: 0° C – +60° C (32°F - +140°F)
Dimensions	WITH FEET: 17"D x 17"W x 4"H (in) / or 431.8 D x 431.8 W x 101.6 H (mm) WITHOUT FEET: 17"D x 17"W x 3.5"H (in) / or 431.8 D x 431.8 W x 88. 9 H (mm) Weight: 15.55 lbs / 7.05 Kg

EL-IPD-PRE-SSI   Local Audio Source Preamp

ORDER NO. EL-IPD-PRE-SSI

Connect to the optical, coaxial, or analog input on the EL-IPD-PRE-SSI Local Audio Source Preamp, and using an existing network, deliver audio from a remote source such as a TV or turntable to an ELAN® Dante-enabled audio distribution system.
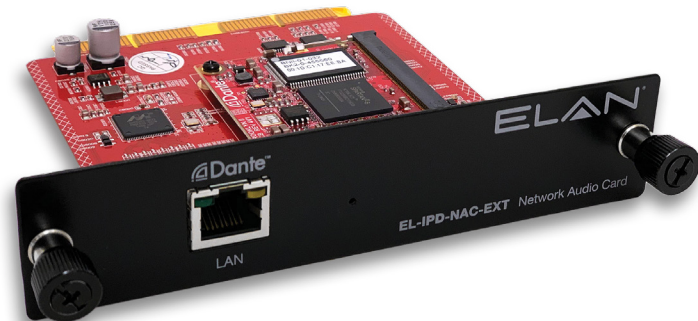
ITEM	DESCRIPTION
1 Audio Input Selector	Select between Optical, Coaxial, or Analog input
2 Optical Toslink Audio Input	Stereo, PCM, 96Hz, 24-bit
3 Coaxial RCA Digital Audio Input	Stereo, PCM, 96Hz, 24-bit
4 Stereo RCA Line Level Audio Input	Maximum input level: 2.0 VRMS Input sensitivity: 0dbV (1.0 VRMS) Input impedance 47k Ω to 49k Ω
5 Network ▪ 1 RJ45 Jack	10/100 Ethernet /PoE 802.3af/at
6 Power LED	Adjustable brightness
7 DC Input	5V, 2A
Environmental	Operating Temperature: +5°C - + 45°C (+41°F - +113°F) Operating Humidity: 0 – 90% non-condensing Storage Temperature: 0°C - + 60°C (32°F - + 140°F)
Dimensions	7.0 W x 1.06 H x 4.0 D (in) / or 17.0 W x 2.69 H x 10.16 D (cm) Weight: 0.65 lbs / 0.29 Kg

EL-IPD-NAC-EXT   Network Audio Card

ORDER NO. EL-IPD-NAC-EXT

The EL-IPD-NAC-EXT Network Audio Card adds Dante audio networking to the EL-IPD-8CH-MTX Multi Zone Audio Matrix and the EL-IPD-PRE-MSI Multi Zone Preamp Audio Matrix to connect to other ELAN Dante-enabled devices.

ELAN
Your world, made simple.™

Rev-B   06/2020