

Multi Zone Audio Matrix



IP Enabled Audio Distribution



The EL-IPD-8CH-MTX Multi Zone Audio Matrix used in standalone mode supports up to 13 input sources including a doorbell input from an ELAN System Controller. 8 speaker channels are available for up to four 4 stereo or 8 mono zones, delivering high quality audio at up to 100WPC. 4 line level outputs can be configured as up to 4 mono or 2 stereo output zones or as sub-woofer out. Lip sync, individual EQ and loudness control can be applied to each zone.

Adding the optional Dante® Audio Networking card connects sources to and from other Dante-enabled ELAN IP amplifiers using existing networks. ELAN IP-enabled audio distribution simplifies whole house audio and enhances the intelligent home by delivering high quality audio over the existing network. Easily scaling from a single chassis solution to a decentralized multi-chassis / multi-source implementation, ELAN IP audio distribution meets the needs for projects of up to 64 individual zones. Giving installers more flexibility of installation by decentralizing provisioning when needed, sources and amplifiers can be placed where they make the most sense—because audio is delivered over the network. This means less cabling is necessary, lowering costs and installation times.

ELAN IP amps use Dante Audio Networking Technology, enabling standard IP networks to transmit high-quality, uncompressed audio with near-zero latency.

ELAN IP Enabled Audio Distribution with Dante®

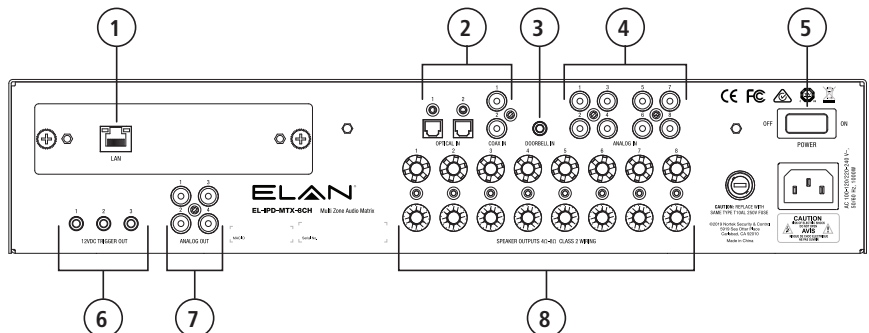
- Uses Dante® Audio Networking for distributing audio long distances over the network
- Delivers high quality audio with near-zero latency
- Provides lower total cost of ownership than alternative solutions by dramatically reducing cabling and labor costs
- Installs easily using off-the-shelf IT networking equipment and cables, and leverages proven, reliable protocols
- Enables decentralized installations, with sources and amplifiers placed where they make the most sense
- Enabling Dante® requires the purchase of the EL-IPD-NAC-EXT network audio card

EL-IPD-MTX-8CH Multi Zone Audio Matrix

ORDER NO. EL-IPD-MTX-8CH

- Supports up to 12 individual zones
- 80WPC at 8Ω, 100WPC at 4Ω
- 5-Band EQ for Each Zone
- Lip Sync Correction for Each Zone
- Optional Network Audio Card enables Dante® audio networking

ITEM	DESCRIPTION
1 Network <ul style="list-style-type: none"> ▪ 1 RJ45 Jack 	100/1000 Ethernet DHCP Enabled by Default
2 Digital Audio Inputs <ul style="list-style-type: none"> ▪ 2 Optical TOSLINK Inputs ▪ 2 Coax RCA Inputs 	Stereo, PCM, 96kHz, 24-bit
3 Doorbell Audio Input <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ▪ 3.5mm Mono 	Zone Trigger / System Trigger Outputs Pinout: Tip = signal, Sleeve = ground Output: +12Vdc, 100mA current limit
7 Line Level Audio Outputs <ul style="list-style-type: none"> ▪ 2 Stereo / 4 Mono Analog RCA Pre-amp 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 <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ▪ Individual Lip Sync Delay for Each Zone 	Delay Time: 0 - 400ms Adjustable: 10ms increments
Tone Control <ul style="list-style-type: none"> ▪ Individual Tone Control for Each Speaker and Pre-amp 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	17D X 17W X 4H in. / 431.8D X 431.8W X 101.6H mm (with feet). 17D X 17W X 3.5 in. / 431.8D X 431.8W X 88.9H mm (without feet) Weight: 21.9 lbs / 9.93 Kg



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