P R O D U C T S

▪ USER INTERFACES ▪ MULTI-ROOM CONTROLLERS

▪ AUTOMATION ▪ AMPLIFIERS ▪ SPEAKERS

▪ MUSIC SOURCES ▪ COMMUNICATIONS SYSTEMS

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▪ STRUCTURED WIRING ▪ ACCESSORIES

▪ ELAN DEALER PROGRAMS

ELAN™

Life Just Got Better™

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It's All Under Control.

ELAN User Interfaces

touch

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Lights
4-Lights | 5-Device | 6-Energy

Tuner 1
7-Featur | 8-System | 9-Scripts | Light On

Tuner 2
*Undo | 0-Phone | #-Enter | Light Off

OFF | ▲ VOL ▼ | MUTE

From state-of-the-art volume controls to the award winning VIA!® Touch Panel, ELAN has a user-interface to suit the needs, budget and lifestyle of just about anyone.

VIA64 — VIA!® 6.4" COLOR IN-WALL TOUCHPANEL

The award-winning VIA!® graphical user interface is a full-color, easy-to-program LCD touch panel that can be used to control up to 20 audio/video components and whole-house systems such as lighting, temperature and security. VIA! is also a high-quality color monitor that allows you to view video sources such as cable TV, satellite TV and closed circuit TV cameras.

With seven different trim plates and over 70 selectable screen motifs, each panel can be designed to match the decor of any room. The 6.4" screen allows for large, user-friendly graphics and eliminates the need to scroll through numerous pages to control A/V components or house-wide systems.

And VIA! is a universal touch screen that can be integrated into any audio/video system.

Every VIA64 ships standard with a White frame. Additional frame color options are sold separately, and are available in Ivory, Almond, Black, Brown, Brass and Chrome.

FEATURES & SPECS

- 20-source/system controller and full-color video monitor
- High-contrast 6.4" LCD (2.6 million colors, 372 x 234 pixel resolution)
- High-quality customized graphics and motifs for each homeowner and each room
- Touch-sensitive overlay—no buttons
- Large display area
- Every icon is configurable for single or multiple functions
- Non-volatile flash memory ensures all programming is maintained in the event of a power outage and allows for in-shop programming
- Connections: System Port (RJ-45), Local Port (RJ-45), Video IN ("F" connector), Video Loop OUT ("F" connector), Power Terminal (bare wire)
- Wiring Requirements: Cat-5 (Data), RG-6 or RG-59 coaxial cable (Composite Video), min. 18 AWG 2-conductor twisted-pair (Power)
- Power Requirements: +16VDC, 1.0A
- Can be installed in retrofit applications using enclosure or frame screws
- Optional VIABKT64 Rough-In Brackets are also available in quantities of six
- Viewing Angles: 60° up, 35° down, 45° left/right from center, 52"– 58" mounting height
- Dimensions:
  Panel Frame: 7-3/8" W x 5-5/16" H x 5/16" D
        188mm W x 135mm H x 8mm D
  Panel Depth: ....2"
        51mm
  Cut-Out: ....Approx. 6-1/4" W x 4-7/8" H
        Approx. 159mm W x 124mm H
  (use provided cut-out template for exact dimensions)

VIAVALET — VIA!® DESKTOP VALET

The ultimate in bedside or desktop control, the VIA! Valet compliments any decor with its handcrafted finishes. Made from select Kentucky hardwoods and then finished in a choice of rich colors, these valets include a base with soft rubber feet to prevent marring or scratching of furniture finishes and a 45° adjustable tilt.

Available in: Dark Cherry, Ice White, Piano Black, and Unfinished.

FEATURES & SPECS

- Perfect for home office, home theater, or on a night table
- Easy rear-panel access to the Download Port and Brightness Control
- Made from select Kentucky hardwoods
- 45° adjustable tilt
- Overall Dimensions: ....
  ....8-1/4" W x 8" H x 7-1/4" D
  ....210mm W x 204mm H x 185mm D

INCLUDES:

VIA64 LCD Touch Panel, PVIA-1 Wall Plate and Power Supply (Valet Version), Cable Assembly

Z250/Z200/Z201   INTELLIGENT KEYPADS

Updated for 2005!
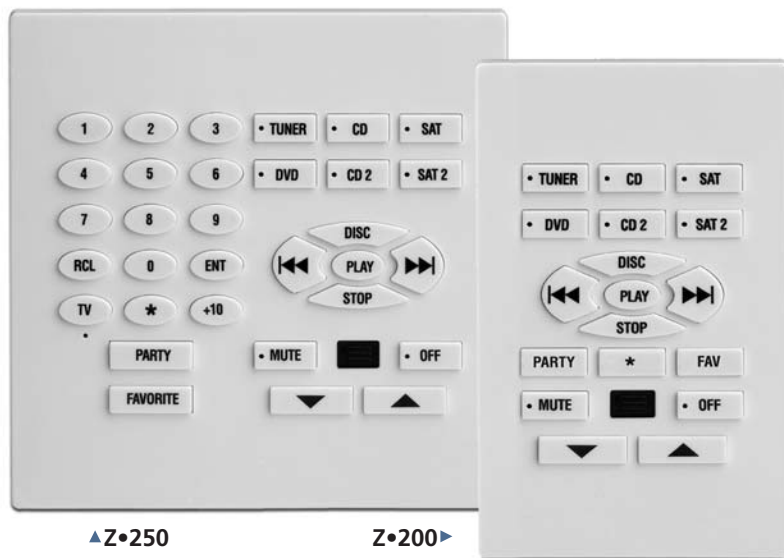
▲Z•250   Z•200▶

ELAN 200 Series keypads have been updated for 2005. New features include System12 compatibility and the ability to program IR sequences on any key! Mechanical enhancements include better button retention when installing and removing the keypads and an improved snap-on/snap-off faceplate. 200 Series Z•PADs feature a non-Decora® format, and therefore larger easy-to-read buttons. Hard keycaps over long-life micro switches provide high-tactile feedback to the user.

The 200 Series keypads provide LED user feedback for Source Selection, Zone On/Off, System On/Off, Mute, Do-Not-Disturb and Shared Source.

The 200 Series keypads are intelligent—meaning they "learn" and control just about any source component on the market today. Compatible with VIA!®TOOLS programming software, 200 Series Z•PADs are easy to program and have built-in flash memory that allows you to program and test them in the shop–then take them out to the job site fully loaded.

Each has a pre-threaded hole for an optional IR tube, work on a single run of Cat-5 cable, and are compatible with ELAN S, Z•, and HD Series multi-source/multi-zone systems and the MAC24. They can be used in any stand-alone application as well.

Each keypad comes with additional keycaps that allow you to customize the button layout for each system. All models ship with 18 extra source-select keycaps plus additional special function buttons. Even more keycap options (48 of them!) are sold separately (Z•200 Series Keycap Option Packages, below).

All models available in: White, Almond, Ivory, Black and Brown.

◀Z•201

FEATURES & SPECS

COMMON FEATURES:
- Large-format keycaps and customizable keycap options
- Program sequences with delay gaps and transmission lengths on any key
- Feedback for source selection, zone on/off, system on/off, mute, do-not-disturb and shared source
- Shifted ("∗") functions, one for each key, revert back to main command after being issued
- Compatible with S12, S6, Z•630 and HD Series systems
- Programable using VIA!®TOOLS
- Non-volatile flash memory
- Optional IR Receiver available (IRTUBE, see page 50)
- Wiring Requirements: Cat-5, Max. 300 ft.

Z250:
- 13-source, 35-button expanded keypad w/direct access numeric buttons
- 13th source-select button for local source (TV) control
- Optional Z•025 Speaker Relay/Audio Detect Switching Module (see page 5) snaps right onto the back
- Fits in a standard double-gang box
- Power Requirements:..50mA @ +12VDC, 150mA @ +12VDC with Z•025

Z200/Z201:
- 12-source, 18-button basic keypad
- The Z•201 is a Z•200 keypad in a double-gang frame with a blank Decora® opening that allows you to install a volume control right next to the keypad. Perfect for sub-zone applications
- Power Requirements: 50 mA @ +12VDC (Z•200/Z•201 will not accept Z•025s)

ZKEY200S/ZKEY200G   Z•200 SERIES KEYCAP OPTIONS PACKAGES

Customize each Z•200 and Z•250 keypad to reflect the sources for each system! The **ZKEY200S** keycap option package gives you 12 additional source names. The **ZKEY200G** has 36 music genre keycaps from which to choose.

ZKEY200S Includes:	• MD	ZKEY200G Includes:	• BIGBAND	• GOSPEL	• OLDIES	• SHOW
• AM	• MUSIC	• 50's	• BLUES	• GRUNGE	• OPERA	• SOUL
• CABLE	• PHONO	• 60's	• COUNTRY	• HIPHOP	• POP	• SOUNDTRACK
• DVD 3	• SAT 4	• 70's	• CHAMBER	• JAZZ	• PUNK	• TOP 40
• FM	• TAPE 2	• 80's	• CLASSICAL	• KIDS	• R&B	• VOCALS
• LD	• VCR 2	• 90's	• DANCE	• LATIN	• REGGAE	• WORLD
• LIGHTS		• ALTERNATIVE	• EASY	• METAL	• RELIGIOUS	
			• FOLK	• NEW AGE	• ROCK	

Z100 INTELLIGENT KEYPAD

Updated for 2005!

The Z•100 Intelligent Keypad has been updated for 2005. New features include System12 compatibility and the ability to program IR sequences on any key!

The Z•100 offers advanced IR control of any system and 12 A/V sources in a single-gang design.

One-touch music is available with the sequencing capabilities of this keypad. Simply by selecting a source you can—turn on the system, the source, select and play a disc—all with the press of a single key!

The Z•100 features bi-colored LEDs that provide feedback for Source Select and Music Detect, indicating audio signal presence (when used with an S12 or Z•630).

The Z•100's molded keycaps lend a subtle profile that works well in any decor. Individual micro switches provide audible and tactile feedback when each button is pressed. Assorted keycap options allow labeling options for source and function keys.

The Z•100 is a "learning" keypad that is compatible with virtually all IR controllable A/V distribution systems and source components on the market today. Its non-volatile flash memory allows you to program each keypad in-store. Just take the programmed Z•100s out to the job site and put 'em in the wall.

Use with ELAN S, Z•, HD and MAC24 systems, or in any stand-alone system.

FEATURES & SPECS

- Compatable with S12, S6, Z•630 and HD systems
- "Learning" keypad can control up to 12 A/V sources
- Hard keycaps over micro switches
- Optional keycaps for custom source and function labeling
- One-touch music
- Program sequences with delay gaps and transmission lengths on any key
- Shifted ("✳") functions, one for each key, revert back to main command after being issued
- Uses a standard Cat-5 wire run
- Optional Direct Access Companion keypad with IR Receiver (Z•150)
- Optional Z•025 Speaker Relay/Audio Detect Switching Module (see page 5) "snaps" right onto the back
- Non-volatile flash memory
- Program and save Z•PAD configurations with VIA!®TOOLS Setup Software
- Power Requirements: 50 mA @ +12VDC

Available in: White, Ivory, Almond, Black and Brown.

Z150 DIRECT ACCESS COMPANION

Updated for 2005!

Add the Z•150 Direct Access Companion to expand the capabilities of a Z•100 to include ten-key numerical select, additional sequences, S12, Z• and HD System EQ control, local in-room source control, and a built-in IR receiver.

Now you can program IR sequences on any Z•150 keypad!

The Z•150 also adds control of a 13th source, which could be a TV or stereo located in the same room as the keypad.

Available in: White, Ivory, Almond, Black and Brown.

FEATURES & SPECS

- Provides ten-key direct access
- Built-in IR receiver
- Select and control a 13th local audio source or TV
- Program sequences with delay gaps and transmission lengths on any key
- Provides bass, treble, loudness and enhancement controls for the S12, Z• and HD systems
- Includes quick-connect ribbon cable to the Z•100

ZKEY100 Z•100 SERIES KEYCAP OPTIONS

Customize your Z•100/150s! Includes: SAT, MOVIE, CABLE, ALL, ON/OFF, DIM, FF/REW, and more.

- Includes 27 keycaps
- Size Options: 12 Round, 18 Small Oval, 6 Large Oval
- Color Options: White, Ivory, Almond, Black, Brown

ZVALET   Z•100/Z•150 DESKTOP VALET

Bedside or desktop control has never looked better than with a Z•100/Z•150 installed in the Z•PAD Valet! Z•PAD Valets are handcrafted from select Kentucky hardwoods and then finished in a choice of rich colors.

These valets will also accommodate stereo volume controls and ELAN IR tubes!

Elegant to the touch, these valets include soft rubber feet to prevent marring or scratching of furniture finishes.

Available in: Black, Cherry, Unfinished, and White.

Note: The Z•VALET does not accommodate the Z•250 or Z•200 keypads.
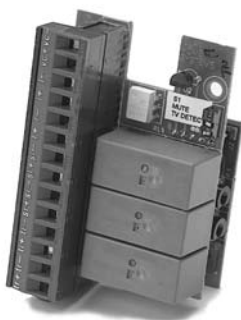
F E A T U R E S   &   S P E C S
DIMENSIONS:
- 5-1/2" W x 3-1/2" H x 4-3/4" D
  140mm W x 89mm H x 121mm D

INCLUDES:
- 14-ft. RJ-45-to-RJ-45 interconnect cable
- Double and single-cutout tops for mounting a Z•100/150 combo, or just a Z•100

Z025   SPEAKER RELAY/AUDIO DETECT SWITCHING MODULE

This is a must-have accessory for audio sub-zone muting and local in-room source control. The Z•025 mounts directly to the back of the Z•100 or Z•250 keypad.

SPEAKER RELAY MODE
A Z•025 on each Z•100/250 keypad allows you to mute or unmute the speakers in one room of a zone independently of other speakers in that zone.

AUDIO DETECT MODE
The Z•025 automatically switches a local audio source to the in-wall speakers when detected, and then switches back to the main system audio when the local source is turned off or when an ELAN Page/Door Chime is detected.

Note: Z•025 Audio Detect mode is not available when used with the System12.

F E A T U R E S   &   S P E C S
- Speaker level detect threshold: .... 5mV min. to 500mV max.
- Switch back delay time: ....Adjustable from 10 to 60 seconds
- Priority Switcher Relay: 4PDT
- Speaker Disconnect Relay: ......DPDT 10A contacts
- Deplugable, labeled connector
- Installs on the back of a Z•100 or Z•250
- Power Requirements: ..85mA @ +12VDC (total keypad current draw 150mA)
- Wiring Requirements: ....18 AWG twisted pairs for speaker level connections. For page and door chime connections, use a spare pair from the Z•100 Cat-5

PWR12   POWER SUPPLY

Use ELAN PWR12 Power Supplies for systems with Z•025s, multiple volume controls with override, or to add additional Z•PADs to the Z•630.

F E A T U R E S   &   S P E C S
- Output Voltage: 12VDC @ 2.0A
- UL® Listed

V•SERIES VOLUME CONTROLS

7 HIGH-POWER MODELS NOW AVAILABLE!

ELAN's expanded line of V•Series Volume Controls now features 7 high-power models capable of handling a continuous 100 watts per channel!

V•Series Volume Controls utilize ELAN's Equi-Step™ technology, providing audibly equal volume increments over all 12 steps. Precision-wound transformers with vacuum impregnated high-grade silicon steel laminates ensure super-flat frequency response with no inductive resonance.

ELAN's patented Override circuit (available on many models) allows page and door chime audio to be heard over the speakers even if the volume control is turned all the way down. Six position override jumpers allow the installer to select just the right page and door chime audio levels in each room.

V•Series Volume Controls have labeled, one-way deplugable connectors that accept up to 14 AWG wire–making wire termination a breeze.

HIGH POWER ELECTRONIC VOLUME CONTROLS (100WPC RMS)

ELAN V•Series High-Power Electronic Stereo Volume Controls do away with the traditional rotary knob, opting for a sleek 'keypad-type' look with low profile buttons. Eleven micro-miniature LEDs provide discrete, yet easy-to-see, volume level feedback. Large, user-friendly volume UP and DOWN buttons make adjusting the level easy. The MUTE button mutes the volume completely. Both models feature ELAN's patented Page and Doorbell Override Feature, a built-in IR receiver, and come with an IR remote control.

VSE100
High-Power Electronic Stereo Volume Control with Override and 1, 2 and 4x impedance match settings.

Mark of Excellence
Presented by the Techhome™ Division of
CEA
2003 Winner

DESIGN & ENGINEERING SHOWCASE HONORS
INNOVATIONS INTERNATIONAL CES
2003

VEHP
High-Power Electronic Stereo Volume Control with Override and a fixed 1.3x impedance setting. Designed specifically for the ELAN D1200 Digital Power Amplifier.

EVCR Remote Control

HIGH-POWER ROTARY VOLUME CONTROLS (100WPC RMS)

STEREO

For high-power stereo listening areas, ELAN offers three rotary volume controls that meet the needs of just about any application.

VSO100

High-Power Stereo Volume Control with Override and 1, 2 and 4x impedance match settings

VS100

High-Power Stereo Volume Control with 1, 2 and 4x impedance match settings

VHP

High-Power Stereo Volume Control with Override and a fixed 1.3x impedance setting. Designed specifically for the *ELAN D1200 Digital Power Amplifier*.

MONO

There are numerous applications for monaural speakers in distributed audio systems. In fact, any room without a stationary listening area is a prime candidate for speakers with a combined Left and Right signal. ELAN offers two high-power mono volume controls for these common applications.

VMO100

High-Power Mono Volume Control with Override and 2, 4 and 8x impedance match settings

VM100

High-Power Mono Volume Control with 2, 4 and 8x impedance match settings

STANDARD VOLUME CONTROLS (35WPC RMS)

VSO

Standard Stereo Volume Control with Override and 1, 2, 4 and 8x impedance match settings. For use with the *MAC24 Music & Communications Center* or any other low-power application that requires a stereo volume control with a high (8x) impedance match setting.

VS

Standard Stereo Volume Control with 1, 2, 4 and 8x impedance match settings. For use with the *MAC24 Music & Communications Center* or any other low-power application that requires a stereo volume control with a high (8x) impedance match setting.

VMO

Standard Mono Volume Control with Override and 2, 4, 8 and 16x impedance match settings. For use with the *MAC24 Music & Communications Center* or any other low-power application that requires a mono volume control with a high (16x) impedance match setting.

	ELECTRONIC VCs		ROTARY VOLUME CONTROLS							
			STEREO VOLUME CONTROLS					MONO VOLUME CONTROLS		
	VSE100	VEHP	VSO100	VHP	VS100	VSO	VS	VMO100	VM100	VMO
Type	Electronic	Electronic	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Stereo/Mono	Stereo	Stereo	Stereo	Stereo	Stereo	Stereo	Stereo	Mono	Mono	Mono
Power Handling (RMS)	100WPC	100WPC	100WPC	100WPC	100WPC	35WPC	35WPC	100W	100W	35W
Impedence Match Settings	1x, 2x, 4x	1.3x Fixed	1x, 2x, 4x	1.3x Fixed	1x, 2x, 4x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	2x, 4x, 8x	2x, 4x, 8x	2x, 4x, 8x, 16x
Override	Yes	Yes	Yes	No	No	Yes	No	Yes	No	Yes
Override Control	+12VDC @ 45mA	+12VDC @ 45mA	+12VDC @ 45mA	N/A	N/A	+12VDC @ 45mA	N/A	+12VDC @ 45mA	N/A	+12VDC @ 45mA
Max. Attenuation	-56dB @ 4x, last step	-56dB @ last step	-56dB @ 4x, last step	-56dB @ last step	-56dB @ 4x, last step	-56dB @ 8x, last step	-56dB @ 8x, last step	-56dB @ 8x, last step	-56dB @ 8x, last step	-56dB @ 16x, last step
Compatible ELAN Amplifiers	D1650 Z660, Z300	**D1200**, D1650 Z660, Z300	D1650 Z660, Z300	**D1200**, D1650 Z660, Z300	D1650 Z660, Z300	Z660, Z300, MAC24	Z660, Z300, MAC24	D1650 Z660, Z300	D1650 Z660, Z300	Z660, Z300, MAC24
Specifications Common to All Models:	Frequency Response: ..20-20kHz, +/- 1dB THD: .... <1%		Dynamic Range: ....43dB over 12 steps DC Resistance: ....5.0 Ohms minimum					Wire Requirements:........Min. 18 AWG twisted pair for audio plus Cat-5 for models w/override		

All models available in bulk packs of 20. Bulk pack trim kits sold separately.

**More Sources.
Incredible Price.**

The New System12

control

AUDIO VIDEO CONTROLLER

MASTER BEDROOM
VIR!DJI   Volt100
                MMMusic

ELAN

No other manufacturer has as diverse and comprehensive a lineup of multi-room controllers as ELAN. From three zones of basic audio to sophisticated thirty-two zone A/V systems, ELAN's good-better-best offering of multi-room controllers provides dealers and homeowners alike with the features, flexibility and price-points they request.

S12 SYSTEM12 MULTI-ROOM A/V CONTROLLER *NEW!*

(Also Available in 19" Rack Mount Version with Brushed Aluminum Handles, Model S12R)

Introducing ELAN's most powerful and flexible multi-source/multi-zone controller to date–the System12 (S12).

The culmination of 14 years experience in the design and perfection of multi-source/multi-zone controllers, the S12 incorporates the features and reliability you have come to expect from ELAN.

Directly addressing the need to distribute more A/V sources to more rooms, the S12 has line-level inputs for 12 audio sources and a built-in 16 x 16 high-definition video switcher for the distribution of both composite and component video sources. Additionally, the S12 has eight RJ-45 jacks to connect up to eight zone-specific Local Sources, allowing you to place 'private' audio sources in each zone (i.e. a CD player in the master bedroom), and allowing the user to control it from the same keypad or touch panel they use for everything else.

The on-board 16 x 16 video switcher provides the ultimate in flexibility. The S12 can route up to 16 composite video sources to any of its 16 video outputs. It can also distribute the $Y/P_B/P_R$ signals from up to five component video sources and handle high-definition video signals for house-wide distribution. If you want to keep it simple, right out of the box the S12's audio inputs are automatically linked with the first 12 video inputs – just select a source and the audio and video will switch simultaneously.

One S12 can independently access music and video in up to eight zones. And up to four S12s can be linked together, giving the system designer and the homeowner the flexibility they need to create the system that's just right for their home and lifestyle – 8, 16, 24 or 32 independent listening areas.

The S12 also incorporates a plethora of must-have features such as Whole-House Music, Dynamic Range Compression, Source Leveling, Bass and Treble EQ for each zone,

Volume and EQ memory retention, and Audio/Video Source-Sensing for system feedback at keypads and touch panels.

Other features include variable and fixed zone audio outputs, buffered loop outputs for each audio and video source, source-specific IR routing, two IR 'ALL' ports, an external IR input, six sense trigger inputs, eight trigger outputs, expansion ports for the easy addition of a 2nd, 3rd or 4th S12, and a serial port for external RS-232 control and programming. And the new PS12 Precision Panel makes all system connections quick, neat and reliable.

Additionally, the S12 integrates easily with ELAN's Z•600 Communications Controller, providing homeowners with ELAN's patented telecommunication features such as phone-to-phone intercom, whole-house paging, 2-way door station communications, caller-on-hold, music-on-hold and more–all from their existing touch-tone telephones. ELAN color CCTV cameras can be connected directly to the S12 so that homeowners can also see who is at the door, as well as monitor pool areas, nurseries, etc. And since the S12 is compatible with each and every ELAN user interface, homeowners can choose from a wide selection of in-wall or tabletop keypads and touch panels that best suit their needs or the décor of a particular room.

With the S12 there's no need to skimp on how many sources you want available throughout the house, or the number of rooms you want to listen to them in.

FEATURES & SPECS

- System ......8-Zone, Multi-source/Multi-zone A/V Controller
- 12 audio inputs
- 8 Local Source Audio Inputs
- On-board 16 x 16 Video Switcher distributes composite, component and high-definition video
- Expandable to 32 zones
- Buffered Audio and Video Loop Outputs for each source
- Variable and Fixed Zone Outputs
- Independent Bass, Treble and Do-Not-Disturb for each zone
- Volume and EQ memory retention
- Audio & Video Source-Sensing for system feedback
- +/- 6dB Source-Leveling
- Zone-Specific Dynamic Range Compression
- 6 sense inputs
- 8-zone trigger outputs
- System trigger output
- Source-specific IR routing plus 2 IR 'All' ports
- External IR input
- RS-232 controllable
- Uses VIA!®TOOLS setup software for all programming

- Compatible with all ELAN keypads and touch panels
- New PS12 Precision Panel makes system connections quick, neat and reliable
- Expansion ports for easy connection of multiple chassis
- Blue Vacuum Fluorescent Display shows Zones, Sources, Volume, Do-Not-Disturb, Whole-House Music Status and more
- Easy integration with ELAN Z•600 Communications Controller
- Rack-mount model (S12R) with rugged brushed aluminum handles available
- Also available in 230V-240V for export, Model S12240 and S12R240
- ETL® Listed and CE approved

Source Inputs

Input Sensitivity: ....0-2 VRMS
Input Impedance: ....47k Ohms

PreAmp Outputs

Volume Adjustment Range: ....-70dB

Frequency Response: ....20Hz to 20kHz, +/-0.5dB

THD+Noise(@1kHz): ....<0.02%

Signal-to-Noise (A Weighted): 83dB

Crosstalk (Zone to Zone): ....>70dB

Output Impedance: ....600 Ohms

Music on Hold Output

Output Impedance: ....600 Ohms

Max Output Level: ....+6dB

Page & Doorbell Input

Input Sensitivity: ....0-2V RMS

Input Impedance: ....47k Ohms

Video

Gain: ....Unity

Bandwidth (-3dB): 125mHz

Gain Flatness (0.1dB): 40mHz

Input Impedance: ....75 Ohms

Output Impedance: ....75 Ohms

Crosstalk: ....-64dB @ 5mHz

General

Trigger Outputs:...+12VDC @ 100mA each

Keypad Power:................300mA per zone

Power Requirements: ....120VAC 50/60Hz or 230-240VAC 50/60Hz

Power Consumption: 125W

Dimensions

S12:....................17" W x 7-1/2" H x 17" D
432mm W x 191mm H x 432mm D

S12R:........................19" W x 7" H x 17" D
483mm W x 178mm H x 432mm D

S12XK   S12 EXPANSION KIT   NEW!

The new System12 Multi-Room A/V Controller allows you to link up to four chassis together, providing you with the flexibility to create 8-, 16-, 24- and 32-zone systems. The S12 Expansion Kit includes all the essential cables for routing IR, RS-485, RS-232, Page Audio and Page Trigger between two S12s.
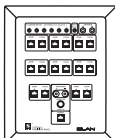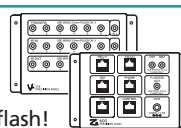
The kit includes:

(1) 1-meter 15-pin D-Sub cable for IR/RS-485 transmission between chassis

(1) 1-meter 9-pin D-Sub cable for serial data transmission between chassis

(1) 18" 3.5mm 'mini' plug interconnect cable for Z600 Trigger connections between chassis

(1) 18" male RCA-to-RCA cable for Page Audio connections between chassis

FEATURES & SPECS

- Expansion kit for 16-, 24- and 32-zone S12 systems
- Cables route IR, RS-485, RS-232s, page audio and page trigger between chassis
- One kit required for each 2nd, 3rd or 4th S12 in a system (3 kits max.)

(Does not include cables for routing source audio and video between S12s. Order ELAN CZP and CZV Interconnect Cables separately.)

AND LOOK FOR THESE 'MUST-HAVE' S12 ACCESSORIES...

D1650 DIGITAL POWER AMPLIFIER

With 16 channels of digital power, the D1650 is the perfect companion for the S12's eight zones of audio distribution.

SEE AMPLIFIERS SECTION, Page 22.

PS12 PRECISION PANEL

Makes all your System12 connections quick and trouble-free.

SEE ACCESSORIES SECTION, Page 76.

PVSE and PZ600 PRECISION PANELS

Connect VSEs and the Z600 to the S12 in a flash!

SEE ACCESSORIES SECTION, Pages 76 & 77.

LSWP LOCAL SOURCE WALL PLATE KIT

Sends audio and IR from local sources back to the S12 down a single run of Cat-5.

SEE ACCESSORIES SECTION, Page 82.

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control

S6 INTEGRATED MULTI-ROOM CONTROLLER
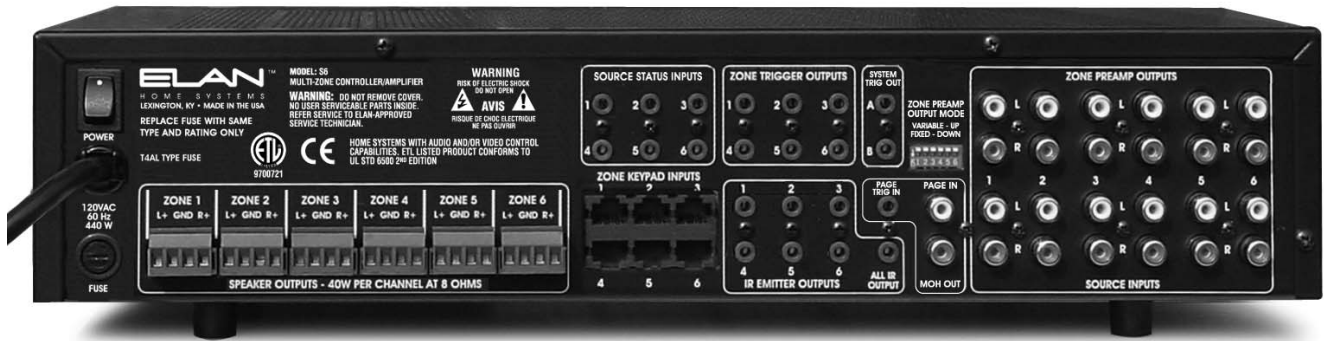
With more sources, more zones, more power and more features than any other basic multi-room system, the System6 (S6) is the logical one-box-solution for entry-level multi-source/multi-zone audio distribution—from the company that's been setting the standard for years.

The S6 is a six-source by six-zone integrated audio preamp controller and power amplifier. It allows up to six audio sources to be accessed independently by up to 12 keypads located in six separate zones. Keypad RJ-45 jacks on the back of the unit make installation practically plug n' play. And with 12 channels of amplification at 40 watts per channel built right in, the S6 provides the kind of sound quality you've come to expect from ELAN.

The S6 is compatible with all ELAN keypads and touch panels, and, unlike other basic multi-zone systems, the S6 sends important user-feedback to keypads and touch panels connected to the system, informing the user as to the Power ON status of Source

Selected, Do-Not-Disturb, Whole-House Music, System On/Off, Zone On/Off, Mute and more.

Six source-specific IR output ports allow multiple same mode sources to be used in the system without contention. An IR 'ALL' port is also provided.

Six Source Status Inputs provide a means for intelligent power management, while six Zone Trigger Outputs and two System Trigger Outputs give you built-in automation and external amplifier triggering capabilities.

Expanding the system for more rooms of audio is made easy with the six Zone Preamp Outputs. Want to add ELAN telephone features or video switching? The S6 interfaces easily with the Z•600 Communications Controller and Z•880 8 x 8 Composite Video Controller.

The S6 provides an entry-level alternative to ELAN Z•, S12 and HD systems, and is a practical, yet feature-rich, first-step system for many consumers.

FEATURES & SPECS

- ■ 6-source/6-zone, one-box solution
- ■ 12 channel x 40 WPC power amplifier built right in
- ■ Each zone is configurable for variable or fixed outputs—perfect for sub-zone applications
- ■ Compatible with all ELAN keypads and touch panels
- ■ RJ-45 jacks for easy keypad connections
- ■ User feedback display on all system keypads and touch panels
- ■ 6 Source Status inputs
- ■ 6 zone trigger outputs
- ■ 2 system trigger outputs
- ■ 6 source-specific IR output ports plus 1 'ALL' port
- ■ Z•600 and Z•880 compatible
- ■ Depluggable speaker terminals for easy wire connections
- ■ Only two rack spaces high
- ■ Dimensions ..17" W x 4-1/8" H x 12-3/4" D 432mm W x 105mm H x 324mm D
- ■ ETL® Listed and CE approved

IRAVWP IR/AUDIO/VIDEO WALL PLATE KIT

Locate any System6 source anywhere in the house with the IRAVWP.

SEE ACCESSORIES SECTION,
Page 83.

PSP6 SPEAKER PRECISION PANEL

The PSP6 is the perfect trim-out solution for the S6's six pair of speaker outputs.

SEE ACCESSORIES SECTION,
Page 81.

Z630 SERIES II MULTI-ROOM CONTROLLER

(Also Available in 19" Rack-Mount Version, Model Z631)

The award-winning Z•630 Multi-Room Controller allows independent access of up to six sources in three different zones. Up to four Z•630s can be linked together, providing a six-source by twelve-zone music distribution system.

Buffered audio loop outputs allow sources to be shared between the Z• system and home theater components without signal degradation. Built-in Music Detect circuitry conveys the On/Off status of each source to all keypads, allowing for intelligent power management of sources. Source and system status is displayed on all keypads and VIA!® Touch Panels in the system, providing user-friendly feedback for enhanced control.

Each zone output level can be independently fixed, making the creation of sub-zones with volume controls as easy as flipping a dipswitch. Six source-specific

IR output ports allow multiple same-model sources to be used in the system without contention. An IR 'ALL' port is also provided.

Zone-specific Bass, Treble, Loudness and Spatial Enhancement settings are stored in the Z•630's non-volatile flash memory. The Do-Not-Disturb feature ensures that ELAN Page and Door Chime audio will be heard in a zone only if it's desired.

The Z•630 also provides a Music-on-Hold output signal and a Page/Door Chime input interface to the Z•600 Communications Controller. The 12VDC remote output trigger synchronizes amplifiers and intelligent power managers to zone on/off, page and door chime activity in the system. The Z•630 will even "wake up" VIA! Touch Panels whenever the doorbell button is pressed or a page is initiated.

FEATURES & SPECS

- 6 x 3 Audio PreAmp Controller
- Expandable to 12 zones with 4 Z•630s
- Compatible with all ELAN keypads and touch panels
- "Music Detect" for each input when using ELAN keypads
- Non-volatile memory retention
- Music-On-Hold Output and Page/Door Chime Input
- 6-source IR router plus 1 'ALL' port
- 12VDC @ 100mA remote trigger output
- Volume, EQ settings and whole-house music status displayed on VIA! Touch Panels
- Remote control (Z•030) sold separately

AUDIO PERFORMANCE:

Frequency Response: 20Hz to 20kHz +/-.25dB

Signal to Noise:............>95dB (A-weighted)

Channel Separation: ....>-70dB @ 1 kHz

THD: ....<0.01%

Input Impedance: ....24.3k Ohms

Bass/Treble Adjust:..........+/-12dB, 2dB steps

GENERAL:

Power Requirements: 120VAC, 12W

Dimensions:

    Z•630:........17" W x 2-1/4" H x 10-1/2" D
           432mm W x 58mm H x 267mm D

    Z•631:........19" W x 1-3/4" H x 10-1/2" D
           483mm W x 45mm H x 267mm D

ETL® Listed and CE approved

IRAVWP IR/AUDIO/VIDEO WALL PLATE KIT

Locate any System6 source anywhere in the house with the IRAVWP.

SEE ACCESSORIES SECTION,
Page 83.

PZ6 PRECISION PANEL

For a first-class, problem-free Z• system trim-out, use the PZ6 Precision Panel.

SEE ACCESSORIES SECTION,
Page 78.

HDC2000 HD MASTER CONTROL UNIT

(Also Available in 19" Rack-Mount Version, Model HDC2001)

FEATURES & SPECS

- ■ Independently access up to 10 audio sources in up to 10 zones
- ■ Expandable to 10 sources x 22 zones, or 8 sources x 24 zones with an additional HDC2000
- ■ Compatible with all ELAN keypads and touch panels
- ■ Z•880 Video Controller compatible! View up to 8 video sources in up to 24 zones—the HDC2000 automatically switches audio and video to any zone
- ■ Easy to program with MCUPro™ HD Setup Software (required)
- ■ PC controllable with VIA!®PC System Control Software
- ■ 500W switched outlet with 5-second turn-off delay
- ■ Lithium battery backed-up RAM— front panel accessible 5-year battery

SPECIFICATIONS:

Low Power Consumption:..........276W max.

Dimensions:
    HDC2000: ....
    ....17" W x 7-1/2" H (w/feet) x 13" D
    432mm W x 191mm H (w/feet) x 331mm D

    HDC2001: ....
    ....19" W x 7" H x 13" D
        483mm W x 178mm H x 331mm D

ETL® Listed for residential and commercial applications

Tried and true—the ELAN HD Series Master Control Unit (MCU) has been setting the standard for reliable, upgradeable, feature-rich multi-source/multi-zone A/V distribution for over 12 years.

The HDC2000 provides the most flexible and expandable architecture available for distribution of audio, video, telephone and more. The open chassis card-frame design allows each system to be custom-tailored to meet the specific needs and lifestyle of the end user. Add home automation features, RS-232 serial control, in-home telecommunications and more by simply adding the appropriate card.

Each HDC2000 is capable of distributing up to ten audio sources into ten independent listening areas, or zones. Up to two HDC2000s can be linked together to create a 10-source by 22-zone system (or 8 sources by 24 zones). Up to three Z•880 Video Controllers can be linked to the HDC2000, providing simultaneous switching of audio and video signals for up to 8 video sources into 24 zones.

The HDC2000 comes standard with 3990 Enhanced MCU Firmware enabling homeowner control of the entire HD system from a home computer with VIA!®PC System Control Software.

Program timed events, select from eight digitally sampled door chimes, access and monitor system status in any zone—all from a home PC.

The HDC2000 has a five-year internal battery backup, allowing it to be programmed in the shop and taken out to the job site ready to go. The battery backup also provides memory protection in the event of a power outage in the home.

HDC2010   DUAL ZONE OUTPUT CARD

The Dual Zone Output Card provides high-quality audio signal processing for two zones. Each zone can independently select a source, control volume, bass, treble, and route IR, page and doorbell signals. RJ-45 jacks provide a quick connection for keypads or a PHD12 Precision Panel.

Note: The HDC2010 requires MCU Firmware Rev. 3990 or higher and cannot coexist in the same MCU with older Dual Zone Output Cards (HDC1010).

FEATURES & SPECS

■ Fixed and variable zone outputs with ELAN page and door chime audio on both
■ 2 Sense Inputs can automatically turn zone ON or OFF and trigger 2 on-board relays

SPECIFICATIONS:

Gain: ....0dB at max. volume

Frequency Response: 20 - 20kHz, +/- 0.5dB

THD + Noise: ....<0.015%

Stereo Cross Talk: ....-70dB

Bass Boost/Cut: ....+/-12dB @ 100Hz

Treble Boost/Cut: ....+/-12dB @ 10kHz

Fixed outputs can be configured for: ....
   Music only, music + page + doorbell, mono or stereo

HDC1020   QUAD SOURCE INPUT CARD

Each Quad Source Input Card accepts line-level connections of up to four stereo sources located within 20 feet of the MCU. Input leveling jumpers (+/-3dB) balance each source in the system. Buffered loop outputs allow you to share system sources with a home theater or media room. Use the HDC1020 with an IRAVWP and locate any source up to 300 feet away from the MCU!

FEATURES & SPECS

■ Four source inputs
■ Buffered loop outputs
■ +/- 3dB source leveling

SPECIFICATIONS:

Gain:..0dB Nominal

Frequency Response:....20 - 20kHz, +/- 0.5dB

THD + Noise: ....<0.005%

Stereo Cross Talk: ....-85dB

Buffered Loop Outputs: ......0dB, fixed gain

HDC2042   AUTOMATION CONTROL CARD
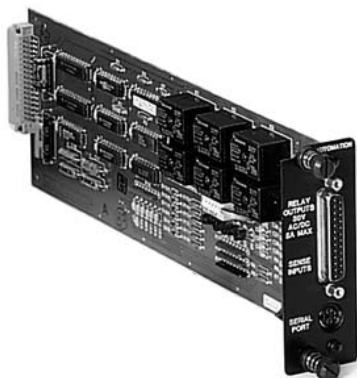
This essential card is the RS-232 link for an HD system. Not only is it required for all HD system programming, it is also the link between the homeowner's PC and the HD system, allowing VIA!®PC System Control Software to be used for system control.

HAS2

The HDC2042 and VIA!®PC software are sold as part of the HAS2 Home Automation Suite.

SEE SOFTWARE SECTION,
Page 87.

HDC2050 TELEPHONE INTERFACE CARD

The HDC2050 Telephone Interface Card provides you with ELAN tele-communication features such as zone-specific and whole-house paging, phone-to-phone intercom, two-way door station communications and more-all accessible from a touch-tone phone.

The HDC2050 also includes eight digitally sampled door chimes to select from. Homeowners can change door chimes for different occasions using VIA!®PC System Control Software.

F E A T U R E S & S P E C S
- Whole-house and zone-specific paging and music mute
- Phone-to-phone intercom
- Caller-on-Hold, Off-Hook Alert, Telemute
- 2-way door station communications and latch control
- Independent access to multiple door stations
- 8 different door chimes

SPECIFICATIONS:
House phone battery voltage: 24VDC
C.O. Lines: ....1 (per HD System)
FCC Approved

HDC2060 LEARNING IR INTERFACE CARD
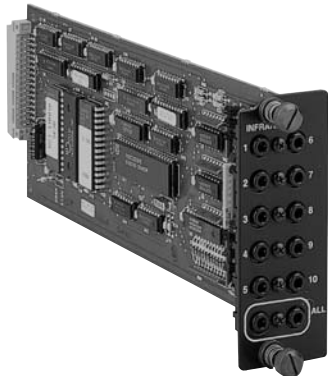
The HDC2060 Learning IR Interface Card allows IR control of the HD system and up to 13 A/V source components. The learning engine contains a preprogrammed library of IR code sets and can also learn virtually any IR command.

F E A T U R E S & S P E C S
- Learning IR interface card
- 10 source-specific IR output ports
- 2 IR 'ALL' ports configurable for high or low current IR emitters
- IR pass through bandwidth: 10kHz to 100kHz
- IR generator bandwidth: 10kHz to 500kHz
- Output levels: +12V pulsed @ 120mA, +12V pulsed @ 500mA for high current 'ALL' port setting

HDC2200 EXPANSION CARD KIT

This card kit enables two MCUs to be connected together as a single system, allowing you to configure an HD system with up to 24 zones. Two cards (one for the Main MCU and one for the Aux. MCU) provide the link. All audio and control signals are bussed between the two chassis with the included multi-pin interconnect cables.

F E A T U R E S & S P E C S
EXPANSION KIT INCLUDES:
- Master and auxiliary expansion cards
- 3-ft. data and audio interconnect cables
- Auxiliary MCU EPROM
- Modified snap-in card guides

SEE ELAN VIA!® TOUCH PANEL AND Z•PADs FOR A VERSATILE MIX OF CONTROL OPTIONS.

SEE USER INTERFACE SECTION,
Pages 1-7.

SEE OUR COMPLETE LINE OF POWER AMPLIFIERS FOR EVERY MULTI-ROOM APPLICATION.

SEE AMPLIFIER SECTION,
Pages 21-27.

SEE ELAN PRECISION PANELS FOR ALL YOU NEED TO COMPLETE A FIRST-CLASS INSTALLATION.

SEE ACCESSORIES SECTION,
Pages 75-84.

au'to·ma'tion, n. [[AUTOMA(TIC) + -TION]] a system in which many or all of the processes are automatically performed or controlled, as by an electronic device.

Yes, we do that—with lighting, security, HVAC, screens, window treatments and more . . .

VIASC4 VIA!® FOUR-PORT SYSTEM CONTROLLER

The VIA!® SC4 System Controller takes RS-232 system integration into a new generation of programmer-less setup.

The SC4 is an RS-232 system network interface. It enables up to thirty VIA! Touch Panels to control up to four RS-232-based systems or components such as lighting, security, temperature, A/V processors and more. A fifth, dedicated serial port allows you to control ELAN components such as

the new System12, the HD Series MCU, the Z•880 Video Controller and the SR1 Sense/Relay/IR Controller.

The SC4 is programmed using VIA!®TOOLS setup software, which incorporates pre-written and pre-tested RS-232 serial drivers that enable the programmer to assign serial commands to any button on a VIA! Touch Panel with the click of a mouse.

ELAN's VIA! Integration Partner (VIP) program includes some of the industry's leading manufacturers of lighting, security, temperature control, audio and video systems.

VIASR1 VIA!® SENSE/RELAY/IR CONTROLLER

The VIA!® SR1 Sense/Relay/IR Controller provides enhanced automation and power management capabilities to home theater and whole-house systems.

This IR- or RS-232-controlled device features six independently configurable relay outputs that can be used to automate motorized screens, lifts and draperies. Eight sense inputs, triggerable by contact closure, and eight steerable IR output ports provide a means for intelligent power management for home theater or whole-house A/V

components. Programmable "If-Then" commands, based on the status of each of the eight sense inputs, assure that the movie screen won't go UP if it's already DOWN, or that the TV won't turn OFF if it's already ON.

The SR1 can be used to enhance the capabilities of ELAN S, Z• or HD Series systems, or added to any stand-alone (non-ELAN) system; it's the perfect compliment for a VIA! Touch Panel in a home theater.

ELAN's new line of sensors – ELAN™SENSE – now makes the SR1 more powerful than ever! Use them to trigger SR1 Sense Inputs whenever audio, video, voltage, current, contact closures or light are detected.

ELAN™SENSE AUTOMATION SENSORS NEW!

Introducing six new ways to add reliable power management and automation features to any system!

ELAN™SENSE automation sensors detect audio and video signals, as well as transitions in voltage, current, contact closures and light, allowing you to add advanced functionality to ELAN S, Z• and HD systems. When combined with the ELAN SR1 Sense/Relay/IR Controller, ELAN sensors become extremely powerful automation tools, providing "If/Then" logic capabilities for power management and triggered events. Adjustable sensitivity and delay on most models make it easy to fine tune sensor activation for specific applications.

DBSENSOR
DOORBELL SENSOR
Detects the voltage drop that occurs when a doorbell is activated. A two-terminal barrier strip is used to connect + and - doorbell connections. Ideal for SR1, S6, S12 and HD sense input application.

AUDSENSOR
AUDIO SENSOR
Detects line-level audio. Female-to-male RCA adaptor connects in-line between either the left or right line-level audio output of any source and an A/V controller or receiver. Features adjustable sensitivity and delay.

VTSENSOR
VOLTAGE SENSOR
Detects AC or DC voltage from 9-24 Volts. A two-terminal barrier-strip is used to connect voltage + and – conductors. Perfect for use with the SR1, S Series multi-room controllers, D Series amplifiers and HD sense input applications.

VIDSENSOR
VIDEO SENSOR
Detects composite video signals. Female-to-male RCA adaptor connects in-line between the composite video output of any source and an A/V controller or receiver. Features adjustable sensitivity and delay.

LTSENSOR
LIGHT/LED SENSOR
Detects daylight, room light, LEDs and even the displays of many A/V components. Red and Green filters (included) allow for the detection of bi-color LEDs found on many components. Features adjustable sensitivity and delay.

CRSENSOR
CURRENT/MAGNETIC FIELD SENSOR
Detects AC current in power cords, as well as the AC magnetic fields generated by motors, transformers, TV's, etc. The CRSENSOR has a unique clamping device that accommodates a wide variety of different sized AC power cords. The base of the clamping device is removable when magnetic field detection is desired. Features adjustable sensitivity and delay.

CTSENSOR
CONTACT CLOSURE SENSOR
Detects dry contact relay closures. A two-terminal barrier-strip is used to connect + and – conductors from relay devices. Ideal for SR1, S6, S12 and HD sense input applications.

VIARPTR   VIA!®NET REPEATER

The VIA!®NET, or the communication link between the SC4 and all the VIA! Touch Panels in a system, has a maximum total wire-run length of 2000 feet. VIA!NET Repeaters allow you to extend the overall wire run capabilities of the VIA!NET, enabling up to 30 VIA! Touch Panels to communicate reliably with the SC4 from up to 1000 feet each!

FEATURES & SPECS

■ Extends SC4/VIA! wire runs up to 1000 feet each for as many as 30 VIA! Touch Panels

VHTO100   HOME THEATER OVERRIDE MODULE

The VHTO100 is a stereo speaker switching module that allows ELAN Page and Door Chime audio to be automatically routed to speakers in non-ELAN system areas such as a home theater.

A 12VDC signal, transmitted from an ELAN S, Z•, HD or MAC24 system whenever a Page or Door Chime is initiated, triggers a pair of relays on the VHTO100, switching the audio path from the local system amplifier to the ELAN system amplifier.

In a home theater, ELAN Page and Door Chime audio can be routed to the rear channel speakers, allowing Page and Door Chime audio to be easily heard.

FEATURES & SPECS

■ Integrates ELAN Page & Door Chime audio into non-ELAN system areas

■ High-power stereo inputs and 5A-rated relays for home theater applications

■ Adjustable 10-step Page and Door Chime volume settings

■ Selectable 1x, 2x & 4x impedance match settings

■ Mounts anywhere

■ 100 WPC RMS power handling capability

SEE ELAN VIA!®TOOLS FOR EASY PROGRAMMING OF RS-232 CONTROLLED SYSTEMS.

SEE SOFTWARE SECTION, Page 86.

ELAN RS-232-CONTROLLED COMPONENTS:

S12 MULTI-ROOM A/V CONTROLLER

SEE CONTROLLERS SECTION, Page 10.

HDC2000 MASTER CONTROL UNIT

SEE CONTROLLERS SECTION, Page 14.

Z880 VIDEO CONTROLLER

SEE VIDEO SECTION, Page 54.

automate

power

Name the application, and ELAN has the power to do it. Two, six, twelve or sixteen channels. Traditional A/B, or all-digital. They all have one thing in common – *GREAT SOUND!*

D1650 16-CHANNEL DIGITAL POWER AMPLIFIER

NEW!

(Also Available in 19" Rack Mount Version with Brushed Aluminum Handles, Model D1651)

Introducing the latest in the D-Series line of Digital Power Amplifiers from ELAN… *the D1650.*

The D1650 utilizes Class–T Digital Technology for a low-heat/high-efficiency design that can deliver clean, full-rated power to all 16 channels simultaneously!

The D1650 was designed for multi-room custom audio installations, and is the perfect companion amplifier for ELAN's new 8-Zone A/V Controller – the System12 (see page 10). With 16 channels of amplification, it can power up to 8 stereo zones, 16 monaural zones, or any combination thereof. A and B Stereo Busses allow you to route one set of inputs to other inputs without the use of additional cables. Buffered Loop Output for each channel, make it easy to configure multi-room listening areas in stereo or mono. Rated at 16 x 45WPC into 8 Ohms and 16 x 60WPC into 4 Ohms, the D1650 delivers more than enough power for any distributed audio application.

ELAN's patent-pending ACE™ technology (Automatic Clip Eliminator™) makes the D1650 virtually clip proof! ACE is a microprocessor-controlled dynamic leveling circuit that eliminates clipping without the typical audio degradation of traditional compressor-based clipping circuits.

Class–T Digital Technology gives the D1650 an 85% efficiency rating – a spec unreachable by traditional Class-A/B amplifiers.

Class-T also has a THD + Noise specification of less than 0.04% - a spec unreachable by Class-D amplifiers. This low-heat/high-efficiency design, combined with an ultra-high-efficiency toroidal transformer and 200,000uF bulk storage capacitance ensures that all 16 channels can deliver their full-rated power at the same time. Even when it's running all-out, the D1650 remains cool and sounds clean. Class-T topology also allowed us to make the amplifier only three rack-spaces high – that's two rack-spaces less than other

amplifiers with the same or less total power output.

The D1650 has a blue Vacuum Florescent Display (VFD) to indicate channels and level settings. Each channel can be individually adjusted via front panel buttons. The 'lockout feature' ensures that finely tuned level settings cannot be inadvertently changed. Sixteen blue LEDs indicate signal presence for each channel. Sixteen red LEDs indicate clipping and the automatic activation of the ACE circuitry.

FEATURES & SPECS

- ■ 16 x 60 WPC RMS into 4 Ohms, 16 x 45 WPC RMS into 8 Ohms
- ■ Class-T Digital Technology
- ■ Low heat/high efficiency (85%)
- ■ ACE Automatic Clip Eliminator
- ■ Buffered loop outputs for each channel
- ■ Easy to configure for stereo or mono
- ■ A and B Bus inputs and outputs
- ■ Blue Vacuum Fluorescent Display
- ■ 'Lockout' feature fixes level settings
- ■ Only three rack spaces high
- ■ **The ideal companion amplifier to the new System12 8-zone multi-room controller**

SPECIFICATIONS:

Power Output (RMS): ..60WPC @ 4 Ohms, 45WPC @ 8 Ohms

Frequency Response: ....20Hz to 20kHz, -.3dB into 8 Ohms

Full Power Bandwidth: ......10Hz to 50kHz

Signal-To-Noise: ......>102dB (A-weighted)

Channel Separation: ....>-70dB (channel to channel @ 1 kHz)

Total Harmonic Distortion: ....< .04%

Intermodulation Distortion: ....< 0.1%

Input Impedance:........................49k Ohms

AC Power Requirements:..............120VAC, 1200 Watts

Power Supply: ....Ultra-high efficiency toroidal transformer

Remote Trigger Inputs:............5-24V AC/DC

Trigger Loop Output:........+12VDC @ 0.1A

Dimensions: ....

    D1650: ....17" W x 5-13/16" H x 17" D ....432mm W x 148mm H x 432mm D

    D1651: ....19" W x 5-1/4" H x 17" D ....483mm W x 134mm H x 432mm D

Weight : ....50 lbs/22.7 kg

ETL® Listed and CE approved

power

D1200 12-CHANNEL DIGITAL POWER AMPLIFIER

(Also Available in 19" Rack Mount Version with Brushed Aluminum Handles, Model D1201)

The ELAN D1200 12-channel amplifier utilizes Class–T Digital Technology for a low-heat/high-efficiency design that can deliver an unprecedented 1200W of continuous power!

The D1200 provides 12 channels at 70 WPC into 8 Ohms and 100 WPC into 4 Ohms.

The D1200 is virtually clip proof! ELAN's patented-pending ACE™ technology (Automatic Clip Eliminator™) is a microprocessor-controlled dynamic leveling circuit that eliminates clipping without the typical audio degradation of traditional compressor-based clipping circuits.

Built with the custom installer in mind, the D1200 has front panel LED readouts and digital gain control buttons that allow you to select channels, change gain settings and match gains for accurate stereo operation. The D1200 also features 12 signal presence and clip indicators.

Rear panel dipswitches allow you to configure any of the 12 inputs for Mono, Stereo, Bussed Mono or Bussed Stereo operation. Two Stereo Bus inputs are provided, each with buffered outputs. These options eliminate the need for extra patch cables and Y-cords. Six remote trigger inputs mute the six individual stereo pairs, and there is a master loop-thru mute as well. The ultra-high-efficiency toroidal transformer and 200,000uF bulk storage capacitance ensures that ALL 12 channels can deliver the full rated power *at the same time!*

FEATURES & SPECS

- State-of-the-art Class-T Digital Technology
- 70 WPC x 12 into 8 Ohms or 100WPC x 12 into 4 Ohms
- Front panel digital gain control, signal presence, clip LED indicators
- ACE technology (Automatic Clip Eliminator)
- Buffered line level outputs
- Low heat/high efficiency
- A/B Bus inputs
- Stereo/mono configurable
- Input configurable dip switches
- Gold-plated five-way binding posts
- Three rack spaces high

SPECIFICATIONS:
Output Power: ....
    12 x 100 WPC RMS @ 4 Ohms per channel
    12 x 70WPC RMS @ 8 Ohms per channel

Voltage Gain (Av): . .0 to 30, adjustable

Remote Trigger Input: . . . . .5-24V AC/DC

Trigger Loop Output: ......+12VDC @ 0.1A

Frequency Response: ....20Hz to 20kHz
    -.3dB into 8 Ohms

Full Power Bandwidth: ....10Hz to 50kHz

Signal to Noise:........>110dB (A-weighted)

Channel Separation: ....>-70dB @ 1kHz

THD: ....< 0.04%

Intermodulation Distortion: ....< -90dB

Slew Rate: ....> 20V/ microseconds

Input Impedance: ....49k Ohms

Inputs: ....Gold RCA Phono Jacks

Outputs:............Gold 5-Way Binding Posts

Power Requirements: 120VAC, 1500W

Dimensions: ....
    D1200: 17" W x 5-13/16" H x 17-1/4" D
        432mm W x 148mm H x 439mm D
    D1201: ....19" W x 5-1/4" H x 17-1/4" D
        483mm W x 134mm H x 439mm D

Weight: ....45 lbs/20.5 kg

ETL® listed and CE approved

PSP12 SPEAKER PRECISION PANEL

The PSP12 is the perfect trim-out solution for the D1200.

SEE ACCESSORIES SECTION, Page 81.

power

Z660 SIX-CHANNEL POWER AMPLIFIER

(Also Available in 19" Rack Mount Version, Model Z661)

Designed specifically for the custom installer, the Z•660 power amplifier is the cornerstone of any high-fidelity system. The Z•660 provides six channels at 60 WPC or three channels at 120 WPC in a 1.75" single rack space—plus additional features not found on any other amplifier (of any size) on the market today.

Six front panel gain pots, signal presence and clip indicators make setup a snap! A convenient Bus Mode switch allows one stereo input to be routed to three pairs of amplified outputs without the need for additional patch cables.

Independent bridge mode buttons allow mixing of bridged and un-bridged channels. Buffered line level outputs can be Y-corded for mono signal applications.

The built-in IR connecting block can power up to four IR receivers and emitters – great for standalone IR control applications! The remote trigger input mutes the amplifier when the preamp is turned off.

The ultra-high-efficiency toroidal transformer and 40,000uF bulk storage capacitance ensures that peak current demands are always met.

FEATURES & SPECS

- Output Power:
  • 6 X 60WRMS @ 8 Ohms per channel
  • 3 X 120WRMS @ 8 Ohms per channel, bridged
- Front panel gain pots, signal presence, clip and IR pass-through LED indicators
- One into three Bus Mode Switch
- Buffered line level outputs
- IR pass-through connecting block
- Remote trigger IN/OUT

SPECIFICATIONS:

Voltage Gain (Av): ......0 to 28, adjustable

Remote Trigger Input: ....5-24V AC/DC

Trigger Loop Output: ......+12VDC @ 0.1A

Frequency Response: 20Hz to 20kHz -.25dB

Full Power Bandwidth: ......10Hz to 30kHz

Signal to Noise: ......>110dB (A-weighted)

Channel Separation: ....>-70dB @ 1kHz

THD: ....< 0.03%

Intermodulation Distortion: .... < -90dB

Input Impedance: ....20k Ohms

Power Requirements: 120VAC, 440W

Dimensions:

Z•660: ....17" W x 2-1/4" H x 11" D
432mm W x 58mm H x 280mm D

Z•661: ....19" W x 1-3/4" H x 11" D
483mm W x 45mm H x 280mm D

Weight: ....13.6 lbs/6.2 kg

ETL® listed and CE approved

PSP6 SPEAKER PRECISION PANEL

The PSP6 is the perfect trim-out solution for Z•660 installations.

SEE ACCESSORIES SECTION, Page 81.

Z300 TWO-CHANNEL POWER AMPLIFIER

(Also Available in 19" Rack Mount Version, Model Z301)

Whether you specify the Z•300 in a home theater application or in a distributed audio system, this single rack-height amp provides enough power to handle the most inefficient freestanding speakers or a whole house full of in-walls.

The Z•300 amplifier will deliver 300 watts of power into 2-Ohm loads. This high-current, low-impedance design eliminates the need for speaker selector boxes or load protection devices when driving up to four pair of 8-Ohm speakers. The ultra-high-efficiency toroidal transformer and 40,000uF bulk storage capacitance ensures that peak current demands are always

met. This translates into exceptionally tight bass response and improved dynamic headroom.

Buffered loop outputs allow routing of the stereo inputs to an additional power amplifier or surround sound processor without signal loss or degradation.

Three pairs of gold-plated, five-way speaker binding posts make it easy to connect multiple speakers. The remote trigger input mutes the amplifier when the preamp is turned off. Gain pots for each channel are accessible via the front panel.

FEATURES & SPECS

- Output Power:
  - 2 x 150 WRMS @ 2 Ohms per channel
  - 2 x 100 WRMS @ 4 Ohms per channel
  - 2 x 60 WRMS @ 8 Ohms per channel

- The perfect amplifier for high-power, multi-speaker listening areas

- Buffered line level outputs

- Remote trigger IN/OUT

SPECIFICATIONS:

Voltage Gain (Av): ....0 to 28, Front Panel adjustable

Frequency Response: ..20Hz to 20kHz -.5dB

Full Power Bandwidth: ....5Hz to 30kHz

Signal to Noise: ......> 110dB (A-weighted)

Channel Separation: ....>-70dB @ 1kHz

THD: ....< 0.03%

Intermodulation Distortion: ....< -90dB

Input Impedance:........................33k Ohms

Input Sensitivity:............0dBu (.707 VRMS)

Remote Trigger Input: ....5-24V AC/DC

Power Requirements: 120VAC, 440W

Dimensions:

Z•300: ....17" W x 2-1/4" H x 11" D
432mm W x 58mm H x 280mm D

Z•301: ....19" W x 1-3/4" H x 11" D
483mm W x 45mm H x 280mm D

Weight: ....13.6 lbs/6.2 kg

ETL® listed and CE approved

power

ZFAN2 SYSTEM COOLING MODULE

(Also Available in 19" Rack Mount Version, Model ZFAN2R)

The Z•FAN2 was developed to address the growing need for cabinet and rack system cooling, and it does so in a quiet, low-profile, unobtrusive fashion.

This single-rack fan design will draw up to 150 cubic feet of air per minute. Dual 12VDC brushless motors maintain whisper quiet operation without noise feeding back into the 120V circuits.

Temperature-sensitive speed control provides just the right amount of cooling at just the right times, thus minimizing background fan noise! The remote trigger input turns the fan on and off when needed. The trigger loop output can be daisy chained to additional triggerable devices or Z•FANs, and the two-minute turn off delay circuit prevents heat build up in the rack once the equipment has been turned off.

FEATURES & SPECS

- Temperature-sensing dual 12VDC brushless fan design
- Front panel power and "Fan On" LEDs
- Two-minute turn-off delay

SPECIFICATIONS:

Flow Rate: ..Variable, up to 150 cu. ft. per minute

Remote Trigger: ..5-24V AC/DC +12VDC @ 0.1A trigger loop output

Power Requirements: 120VAC, 12W

Dimensions:

    Z•FAN2: ....17" W x 2-1/4" H x 10" D
               432mm W x 58mm H x 254mm D

    Z•FAN2R: ......19" W x 1-3/4" H x 10" D
               483mm W x 45mm H x 254mm D

ETL® listed

power

ZPOWER POWER CONTROLLER

(Also Available in 19" Rack Mount Version, Model ZPOWERR)

The Z•POWER Controller is a critical hub for both home theater and distributed A/V systems, addressing such needs as surge protection, sequenced AC switching and multiple triggering options.

The Z•POWER Controller has eight earth-grounded outlets. Two current sensing outlets are always on. Four outlets turn on immediately with a trigger input. Two more turn on with a programmable delay.

No other power manager has as many trigger options. The six switched outlets can be triggered by the AC current sense of the two "Always On" outlets, by a remote trigger input, from the ELAN™SENSE sensor input, or by the front panel switch. Any combination of triggers can be selected so that multiple sources can initiate the turn-on sequence.

The 12VDC triggered output and a relay contact closure make it easy to close drapes or lower screens. And the relay output is programmable, allowing home theater triggered events to close drapes, but system-triggered events to turn on sources *without* closing the drapes!

High-quality transient voltage protection is also included, with inductive AC line filtering, MOV Surge Protection, 15A Circuit Breaker, a 2-line telephone surge suppressor and 1GHz coax surge suppressor loop-through.

Front Panel LEDs indicate status and fault monitoring of the AC line.

The Z•POWER Controller provides an extended warranty against surge on specified ELAN equipment purchased with and connected directly to it.

FEATURES & SPECS

AC OUTLETS:
- Two "Always On" with current sense
- Four "Switched" when triggered
- Two "Delayed" with four time settings
- Switching Capacity: 1500W total

TRIGGER OPTIONS:
- 3–24V AC/DC
- 120VAC Current Sense
- ELAN™SENSE Input
- Combination Sense

CONTROL OUPTUTS:
- +12VDC @ 100mA remote trigger output jack
- Configurable dry relay contact

AC POWER CONDITIONING AND PROTECTION:
- 800 Joule, MOV surge protection
- 270V clamping level

- 15dB line noise rejection
- 15A circuit breaker

LOW VOLTAGE SIGNAL SURGE PROTECTION:
- 1GHz coax surge suppressor
- Two telephone line surge suppressors with resetable fuses

FRONT PANEL FEATURES:
- Master On/Off switch
- Trigger option and delay dip switches
- LEDs: Power, Triggered, Delay, Ground OK, Phase OK

SPECIFICATIONS:
Power Requirements: 120VAC, 12W
Dimensions:..
    Z•POWER:..........17" W x 2-1/4" H x 10" D
          432mm W x 58mm H x 254mm D

    Z•POWERR: ....19" W x 1-3/4" H x 10" D
          483mm W x 45mm H x 254mm D

ETL® Listed

Z•POWER CONTROLLER EXTENDED WARRANTY PROGRAM

In addition to our standard two-year warranty against manufacturer's defects, ELAN Home Systems will warranty the ELAN products listed below against surge-related damage for a period of five years. The conditions of this extended warranty are detailed in the Z•POWER CONTOLLER Operation Manual, and must be met in full for this warranty to apply. The Z•POWER CONTROLLER Extended Warranty Program covers the following ELAN products:
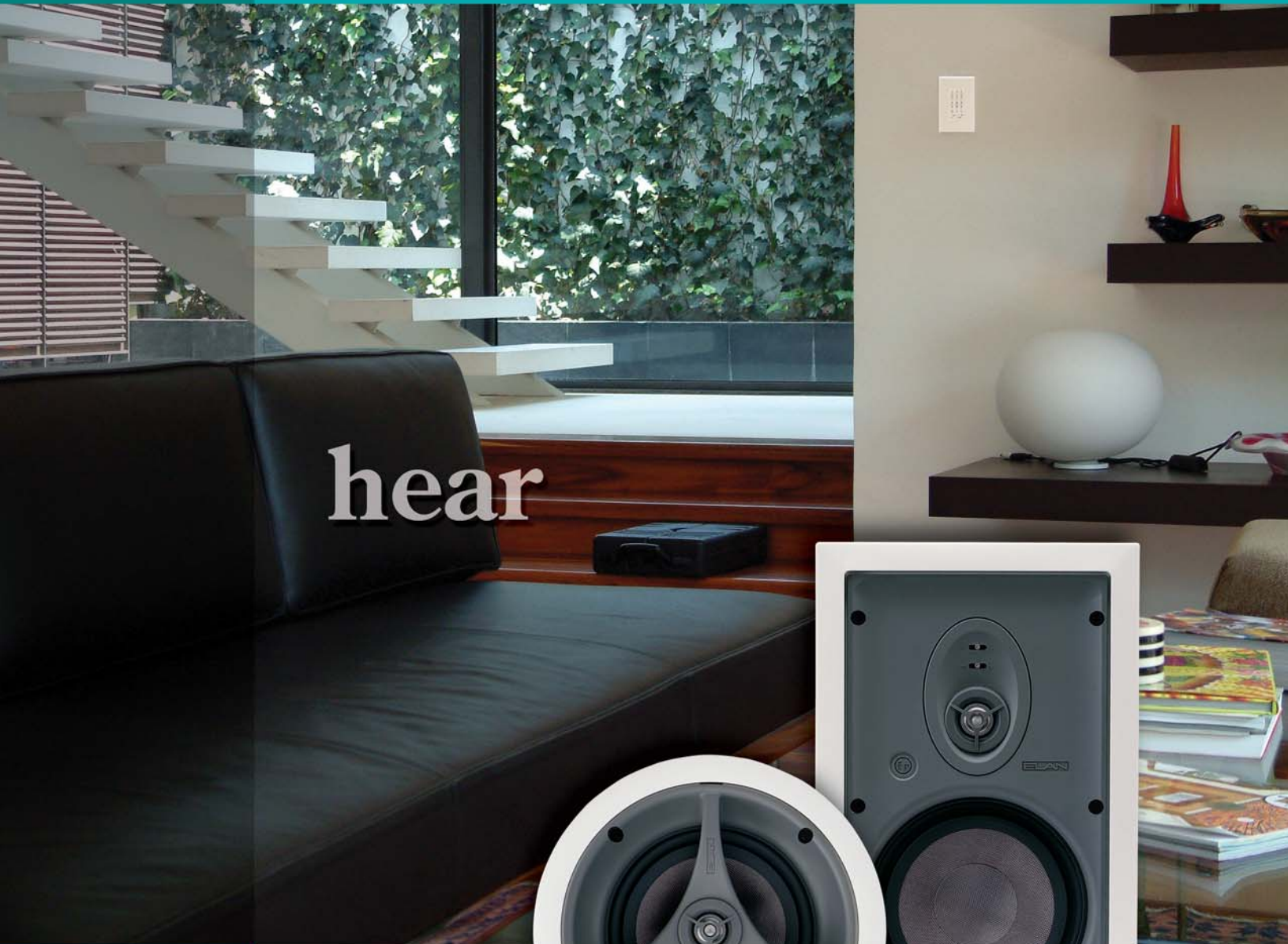
S6	Z•300/301	Z•660/661	HDC2000/2001	HDC2042
S12/S12R	Z•600/601	Z•880/881	HDC2010	HDC2050
	Z•630/631	Z•FAN2/2R	HDC1020	HDC2060
				HDC2200

Test Drive One.

M Series™ Speakers

hear

Hear and enjoy the very best in audio!

In 2002, ELAN took on a difficult and demanding task—to create a comprehensive line of architectural speakers that sound better, look better and cost less than anything else on the market. Here are the results . . .

M Series Architectural Speakers

The ELAN M Series™ is a multi-tiered speaker offering that achieves a new level of design flexibility and acoustical performance.

All M Series Speakers Feature…

- Rear-mounted drivers for great aesthetics and to ensure that speaker baskets and screws are protected from moisture
- Inverted dust caps and inverted rubber surrounds
- Thicker and longer voice coil wires for better power handling capabilities and greater woofer excursion
- Weather resistant construction suitable for installation in bathrooms, patios, cabana areas, and other indoor/outdoor applications

- Narrower frames and low-profile grilles for a sleek on-wall/in-ceiling look
- Better sound quality at each price point than any other line of speakers on the market today
- ELAN M Series Speakers are sold in pairs, with the exception of our specialty speakers, MP800S, MP800D, MM650D and the ME525D, which are sold in singles.

MP—An Unrivaled Accomplishment in Loudspeaker Design

The audiophile's choice for any distributed audio, critical listening, or home theater application.

- Woven glass fiber woofers with butyl rubber surround
- Aluminum/Magnesium composite dome pivoting tweeters
- 1-1/2" Aluminum/Magnesium dome midrange driver (on 3-way model)
- Excellent off-axis frequency response and superb imaging
- Linkwitz-Riley Crossover Networks were designed to optimize the performance of each individual woofer and tweeter. 100V, 1% DF Polypropylene tweeter caps are the highest performance capacitors used in speaker design
- Woofers with lower crossover points enable wider dispersion and enhance woofer/tweeter integration
- Premium gold-plated binding posts accept up to 12AWG wire
- Two-piece frame design with removable baffles
- Extra-long mounting clamps to accommodate wall/ceiling thickness from 1/4" to 1-1/2"
- Three-position Bass and Treble switches (-3, 0, +3dB)

MM—The Professional's Choice for Distributed Audio and Entry Level Home Theater

Offering performance, materials, and design attributes far superior to other comparable speakers.

- Injection-molded mica-filled woofers
- Custom silk dome pivoting tweeters
- 1-1/2" silk midrange (on 3-way model) has a low resonant frequency resulting in more accurate upper-mid reproduction
- Excellent off-axis frequency response and stereo imaging
- "Custom Q" crossover networks designed to enhance the performance of each individual design.
- 100V, 3% DF mylar film tweeter capacitors provide outstanding transient response and superb clarity due to their extremely low DF (dissipation factor)
- Enhanced woofer/tweeter integration
- Two-piece frame design with removable baffles
- Extra-long mounting clamps to accommodate wall/ceiling thickness from 1/4" to 1-1/2"
- Three-position Treble EQ Switch (-3, 0, +3dB)

ME—A Step Up in Performance with an Emphasis on Value

The ME line offers the cost-conscious, yet critical listener, an affordable speaker designed to perform admirably in any distributed audio application.

- Mineral-filled polypropylene woofers
- Custom silk dome pivoting tweeters
- 6dB per octave crossovers with high-quality, non-polarized 100V electrolytic capacitors for consistent crossover performance from unit to unit and a refined character of the high frequencies
- Enhanced woofer/tweeter integration
- Two-piece frame design with removable baffles
- Extra-long mounting clamps to accommodate wall/ceiling thickness from 1/4" to 1-1/2"

MC—The Contractor's Choice

Specifically designed to offer M Series performance at the lowest possible price.

- 6-1/2" polypropylene woofers
- 14mm PEI tweeters
- 6dB per octave crossovers
- 5-50W power handling

MP SERIES   LEVEL 4—PREMIUM IN-WALL SPEAKERS

MP800W   8" IN-WALL THREE-WAY SPEAKERS

The flagship in-wall speaker in the M Series line offers pinpoint imaging, precise phase and time-coherent mid/high-frequency reproduction, as well as warm, articulate bass fully capable of pleasing the most critical audiophile.

Woofer: ....8" Woven Glass Fiber	Impedance: ....8 Ohms
Tweeter: ..19mm Aluminum/Magnesium, Pivoting	Rated Power: ....5 - 100W
Midrange: ....1-1/2" Aluminum/Magnesium	Outside Dimensions: ....9-7/8" x 16-1/2"
Crossover: ....Linkwitz-Riley	....251mm x 419mm
Switches: ....Bass/Treble	Cutout Dimensions: ....8-5/8" x 15-3/16"
Sensitivity: 91dB	....219mm x 386mm
Frequency Response: ....33Hz - 20kHz	Depth: ....4" (101mm)

MP800S   8" IN-WALL SUBWOOFER SPEAKERS

Highly recommended for installations where a conventional 'box' subwoofer is not practical or desirable. Ideal for supplementing the low frequency output of MM525W/C and MM650W/C, as well as MP525W and MP650W/C models.

Woofer: ....8" Woven Glass Fiber	Rated Power: ....5 - 150W
Crossover: ....High Pass to Satellite	Outside Dimensions: ....9-7/8" x 16-1/2"
Switches: ....80/100/120Hz LPF Selectable	....251mm x 419mm
Sensitivity: 93dB	Cutout Dimensions: ....8-5/8" x 15-3/16"
Frequency Response: ....20Hz - 200Hz	....219mm x 386mm
Impedance: ....8 Ohms	Depth: ....4" (102mm)

MP650W   6.5" IN-WALL TWO-WAY SPEAKERS

Designed to satisfy the most seasoned audiophile, the MP650W offers exceptional low-frequency extension, punchy midbass, superbly refined midrange, and highs capable of reproducing the most subtle nuances in recorded music.

Woofer: ....6-1/2" Woven Glass Fiber	Rated Power: ....5 - 85W
Tweeter: ..19mm Aluminum/Magnesium, Pivoting	Outside Dimensions: ....8-1/8" x 13-1/2"
Crossover: ....Linkwitz-Riley	....210mm x 343mm
Switches: ....Bass/Treble	Cutout Dimensions: ....7-1/8" x 12-1/4"
Sensitivity: 90dB	....181mm x 311mm
Frequency Response: ....38Hz - 20kHz	Depth: ....3-3/16" (96mm)
Impedance: ....8 Ohms	

MP525W   5.25" IN-WALL TWO-WAY SPEAKERS

Excellent punch and outstanding midbass articulation combined with very impressive upper mids, treble, and stereo imaging. A perfect match for the MP800S Passive Subwoofer. Highly recommended for any listening application.

Woofer: ....5-1/4" Woven Glass Fiber	Rated Power: ....5 - 60W
Tweeter: 19mm Aluminum/Magnesium, Pivoting	Outside Dimensions: ....7-3/8" x 11-9/16"
Crossover: ....Linkwitz-Riley	....187mm x 294mm
Switches: ....Bass/Treble	Cutout Dimensions: ....6-1/8" x 10-1/4"
Sensitivity: 89dB	....156mm x 260mm
Frequency Response: ....43Hz - 20kHz	Depth: ....3-3/4" (94mm)
Impedance: ....8 Ohmss	

MM SERIES   LEVEL 3—MAINLINE IN-WALL SPEAKERS

MM800W   8" IN-WALL THREE-WAY SPEAKERS

This 3-way in-wall is the ideal choice for customers seeking maximum performance at a reasonable price point. Outstanding midrange detail as well as superb imaging, excellent off-axis response, deep bass, and pristine highs.

Woofer: ....8" Injection-Molded Mica	Impedance: ....8 Ohms
Tweeter: ....19mm Silk Dome, Pivoting	Rated Power: ....5 - 90W
Midrange: ....1-1/2" Silk Dome	Outside Dimensions: ....9-7/8" x 16-1/2"
Crossover: ....12dB Per Octave	....251mm x 419mm
Switches: ....Treble	Cutout Dimensions: ....8-5/8" x 15-3/16"
Sensitivity: 90dB	....219mm x 386mm
Frequency Response: ....35Hz - 20kHz	Depth: ....4" (101mm)

MM650W   6.5" IN-WALL TWO-WAY SPEAKERS

Highly recommended for critical listeners and home theater enthusiasts alike. Tight, solid bass, revealing mids, and flawless imaging reproduce music and movies with truly convincing realism.

Woofer: ....6-1/2" Injection-Molded Mica	Rated Power: ....5 - 75W
Tweeter: ....19mm Silk Dome, Pivoting	Outside Dimensions: ....8-1/4" x 13-1/2"
Crossover: ....12dB Per Octave	....210mm x 343mm
Switches: ....Treble	Cutout Dimensions: ....7-1/8" x 12-1/4"
Sensitivity: 89dB	....181mm x 311mm
Frequency Response: ....40Hz - 20kHz	Depth: ....3-3/4" (94mm)
Impedance: ....8 Ohms	

MM525W   5.25" IN-WALL TWO-WAY SPEAKERS

An excellent choice for use in any distributed audio or home theater application where a smaller size in-wall speaker is desired. Refined highs, transparent mids, and tight bass make the MM525W very easy on the ears.

Woofer: ....5-1/4" Injection-Molded Mica	Rated Power: ....5 - 50W
Tweeter: ....19mm Silk Dome, Pivoting	Outside Dimensions: ....7-3/8" x 11-9/16"
Crossover: ....12dB Per Octave	....187mm x 294mm
Switches: ....Treble	Cutout Dimensions: ....6-1/8" x 10-1/4"
Sensitivity: 89dB	....156mm x 260mm
Frequency Response: ....45Hz - 20kHz	Depth: ....3-3/4" (94mm)
Impedance: ....8 Ohms	

ME SERIES   LEVEL 2—E-LINE IN-WALL SPEAKERS

ME650W   6.5" IN-WALL TWO-WAY SPEAKERS

Highly recommended for music lovers on a budget who seek superior imaging, transparent midrange and dynamic bass response. A brilliant crossover design really brings the ME650W to life.

Woofer: ....6-1/2" Mineral-Filled Poly	Rated Power: ....5 - 65W
Tweeter: ....19mm Silk Dome, Pivoting	Outside Dimensions: ....8-1/4" x 13-1/2"
Crossover: ....6dB Per Octave	....210mm x 343mm
Switches: ....None	Cutout Dimensions: ....7-1/8" x 12-1/4"
Sensitivity: 88dB	....181mm x 311mm
Frequency Response: ....45Hz - 20kHz	Depth: ....3-3/4" (94mm)
Impedance: ....8 Ohms	

ME525W   5.25" IN-WALL TWO-WAY SPEAKERS

This unobtrusive in-wall speaker offers exceptional imaging, pristine highs and surprising midbass punch. Don't let its diminutive size and price fool you—the ME525W is a pleasure to listen to and out-performs all other speakers in its class!

Woofer: ....5-1/4" Mineral-Filled Poly	Rated Power: ....5 - 40W
Tweeter: ....13mm Silk Dome, Pivoting	Outside Dimensions: ....7-3/8" x 11-9/16"
Crossover: ....6dB Per Octave	....187mm x 294mm
Switches: ....None	Cutout Dimensions: ....6-1/8" x 10-1/4"
Sensitivity: 87dB	....156mm x 260mm
Frequency Response: ....50Hz - 20kHz	Depth: ....3-3/4" (94mm)
Impedance: ....8 Ohms	

MC SERIES   LEVEL 1—C-LINE IN-WALL SPEAKERS

MC650W   6.5" IN-WALL TWO-WAY SPEAKERS

Designed for the cost-conscious listener, the MC650W is ideal for any general purpose background music application. Good looks, great value, and easy installation make it the contractor's choice!

Woofer: ....6-1/2" Poly	Rated Power: ....5 - 50W
Tweeter: ....14mm PEI, Pivoting	Outside Dimensions: ....8" x 13-1/4"
Crossover: ....6dB Per Octave	....203mm x 337mm
Switches: ....None	Cutout Dimensions: ....7-1/8" x 12-1/4"
Sensitivity: 87dB	....181mm x 311mm
Frequency Response: ....50Hz - 20kHz	Depth: ....3-5/16" (83mm)
Impedance: ....8 Ohms	

MP SERIES   LEVEL 4—PREMIUM CEILING SPEAKERS

MP800C   8" CEILING TWO-WAY SPEAKERS

The flagship in-ceiling speaker in the M Series line, the MP800C offers high power handling and ultra-wide dispersion as well as powerful and dynamic bass, exceptional midrange accuracy, and lush high frequency reproduction.

Woofer: ....8" Woven Glass Fiber	Frequency Response: ....33Hz - 20kHz
Tweeter: ....25mm Aluminum/Magnesium,	Impedance: ....8 Ohms
....Pivoting	Rated Power: ....5 - 100W
Crossover: ....Linkwitz-Riley	Outside Dimensions: ....10-15/16" (278mm) dia.
Switches: ....Bass/Treble	Cutout Dimensions: ....9-3/4" (248mm) dia.
Sensitivity: 91dB	Depth: ....5" (127mm)

MP800D   8" CEILING DUAL VOICE COIL SPEAKERS

ELAN's top-of-the-line dual channel speaker provides exceptional off-axis midrange and high frequency response, as well as impressive bass with plenty of punch. Perfect in any application where minimal space is available and maximum performance is desired.

Woofer: ....8" Woven Glass Fiber,	Frequency Response: ....33Hz - 20kHz
....Dual Voice Coil	Impedance: ....8 Ohms
Tweeter: ....Dual 19mm Aluminum/Magnesium	Rated Power: ....5 - 100W
Crossover: ....Linkwitz-Riley	Outside Dimensions: ....10-15/16" (278mm) dia.
Switches: ....Bass/Treble	Cutout Dimensions: ....9-3/4" (248mm) dia.
Sensitivity: 92dB	Depth: ....5-1/2" (139mm)

MP650C   6.5" CEILING TWO-WAY SPEAKERS

The discriminating listener's choice for in-ceiling audio. Transparent highs, detailed midrange and solid low frequency reproduction combine to provide reference-quality performance.

Woofer: ....6-1/2" Woven Glass Fiber	Frequency Response: ....38Hz - 20kHz
Tweeter: ....19mm Aluminum/Magnesium,	Impedance: ....8 Ohms
....Pivoting	Rated Power: ....5 - 85W
Crossover: ....Linkwitz-Riley	Outside Dimensions: ....9-1/4" (235mm) dia.
Switches: ....Bass/Treble	Cutout Dimensions: ....8-1/16" (205mm) dia.
Sensitivity: 90dB	Depth: ....4-13/16" (122mm)

MM SERIES   LEVEL 3—MAINLINE CEILING SPEAKERS

MM800C 8" CEILING TWO-WAY SPEAKERS

Impressive low frequency extension and superb midbass snap combine with refined mids and detailed highs to make the MM800C the professional's choice for distributed audio and surround applications.

Woofer: ....8" Injection-Molded Mica	Impedance: ....8 Ohms
Tweeter: ....25mm Silk Dome, Pivoting	Rated Power: ....5 - 90W
Crossover: ....12dB Per Octave	Outside Dimensions: ....10-15/16" (278mm) dia.
Switches: ....Treble	Cutout Dimensions: ....9-3/4" (248mm) dia.
Sensitivity: 90dB	Depth: ....4-13/16" (122mm)
Frequency Response: ....35Hz - 20kHz	

MM650C 6.5" CEILING TWO-WAY SPEAKERS

Designed to perform optimally in any distributed audio or rear surround application, the MM650C features surprising bass extension, smooth and accurate midrange, and outstanding high-frequency detail.

Woofer: ....6-1/2" Injection-Molded Mica	Impedance: ....8 Ohms
Tweeter: ....19mm Silk Dome, Pivoting	Rated Power: ....5 - 75W
Crossover: ....12dB Per Octave	Outside Dimensions: ....9-1/4" (235mm) dia.
Switches: ....Treble	Cutout Dimensions: ....8-1/16" (205mm) dia.
Sensitivity: 89dB	Depth: ....4-1/2" (112mm)
Frequency Response: ....40Hz - 20kHz	

MM650D 6.5" CEILING DUAL VOICE COIL SPEAKERS

ELAN's 'step up' dual-channel speaker. Dual 13mm silk dome tweeters are mounted at opposite angles to provide outstanding off-axis dispersion and supurb high frequency detail.

Woofer: ....6-1/2" Injection-Molded Mica,	Frequency Response: ....40Hz - 20kHz
....Dual Voice Coil	Impedance: ....8 Ohms
Tweeter: ....Dual 13mm Silk	Rated Power: ....5 - 75W
Crossover: ....12dB Per Octave	Outside Dimensions: ....9-1/4" (235mm) dia.
Switches: ....Treble	Cutout Dimensions: ....8-1/16" (205mm) dia.
Sensitivity: 91dB	Depth: ....4-1/2" (112mm)

MM525C 5.25" CEILING TWO-WAY SPEAKERS

Dynamic mid-bass, exceptionally smooth midrange, and seductive highs make this speaker an excellent choice for performance-oriented distributed audio applications requiring a compact ceiling-mount speaker.

Woofer:..................5-1/4" Injection-Molded Mica	Impedance: ....8 Ohms
Tweeter:......................19mm Silk Dome, Pivoting	Rated Power: ....5 - 50W
Crossover: ....12dB Per Octave	Outside Dimensions: ....8" (203mm) dia.
Switches: ....Treble	Cutout Dimensions: ....6-13/16" (173mm) dia.
Sensitivity: 88dB	Depth: ....4-5/8" (116mm)
Frequency Response: ....45Hz - 20kHz	

ME SERIES   LEVEL 2—E-LINE CEILING SPEAKERS

ME800C   8" CEILING TWO-WAY SPEAKERS

Airy highs, ultra-smooth mids, and deep bass describe this stellar performer. An outstanding choice for customers who love their music LOUD! Perfect for Rock, Rap, Pop and Dance music!

Woofer: ....8" Mineral-Filled Poly	Impedance: ....8 Ohms
Tweeter: ....25mm Silk Dome, Pivoting	Rated Power: ....5 - 80W
Crossover: ....6dB Per Octave	Outside Dimensions: ....10-15/16" (278mm) dia.
Switches: ....None	Cutout Dimensions: ....9-3/4" (248mm) dia.
Sensitivity: 89dB	Depth: ....4-13/16" (122mm)
Frequency Response: ....40Hz - 20kHz	

ME650C   6.5" CEILING TWO-WAY SPEAKERS

Exceptionally flat frequency response enables the ME650C to seamlessly integrate into any listening environment, while its attractive price point make it an exceptional value.

Woofer: ....6-1/2" Mineral-Filled Poly,	Impedance: ....8 Ohms
Tweeter: ....19mm Silk Dome, Pivoting	Rated Power: ....5 - 65W
Crossover: ....6dB Per Octave	Outside Dimensions: ....9-1/4" (235mm) dia.
Switches: ....None	Cutout Dimensions: ....8-1/16" (205mm) dia.
Sensitivity: 88dB	Depth: ....4-1/4" (107mm)
Frequency Response: ....45Hz - 20kHz	

ME525C   5.25" CEILING TWO-WAY SPEAKERS

An excellent choice for customers looking for a small, yet powerful speaker with performance far superior to comparably priced products. Best suited for kitchens, bathrooms, guest bedrooms and other secondary listening locations.

Woofer: ....5-1/4" Mineral-Filled Poly	Impedance: ....8 Ohms
Tweeter: ....13mm Silk Dome, Pivoting	Rated Power: ....5 - 40W
Crossover: ....6dB Per Octave	Outside Dimensions: ....8" (203mm) dia.
Switches: ....None	Cutout Dimensions: ....6-13/16" (173mm) dia.
Sensitivity: 87dB	Depth: ....4-1/8" (104mm)
Frequency Response: ....50Hz - 20kHz	

ME525D   5.25" CEILING DUAL VOICE COIL SPEAKERS

This entry-level dual channel speaker reproduces the full range of audible frequencies. An excellent choice for bathrooms, walk-in closets, hallways, and other locations where using two separate speakers isn't desirable or practical.

Woofer: ....5-1/4" Mineral-Filled Poly	Impedance: ....8 Ohms
Tweeter: ....Wizzer Cone	Rated Power: ....5 - 40W
Crossover: ....N/A	Outside Dimensions: ....8" (203mm) dia.
Switches: ....None	Cutout Dimensions: ....6-13/16" (173mm) dia.
Sensitivity: 90dB	Depth: ....4-1/8" (104mm)
Frequency Response: ....50Hz - 15kHz	

MC SERIES   LEVEL 1—C-LINE CEILING SPEAKERS

MC650C   6.5" CEILING TWO-WAY SPEAKERS

An excellent choice for garages, covered patios, children's bedrooms as well as offices and other light commercial applications. This cost-effective design performs significantly better than comparable 'contractor grade' designs.

Woofer: ....6-1/2" Poly	Impedance: ....8 Ohms
Tweeter: ....14mm PEI	Rated Power: ....5 - 50W
Crossover: ....6dB Per Octave	Outside Dimensions: ....9-1/4" (235mm) dia.
Switches: ....None	Cutout Dimensions: ....8-1/8" (205mm) dia.
Sensitivity: 87dB	Depth: ....3-5/8" (92mm)
Frequency Response: ....50Hz - 20kHz	

O SERIES   OUTDOOR SPEAKERS

All-weather design and performance that will exceed your expectations in an outdoor application.

From the patio to the pool, on a boat or a bookshelf, ELAN O Series Outdoor Speaker Systems deliver the sound you want, anywhere you want it. Their design delivers a deep, clean bass that compliments the accurate highs and warm mids. Designed to withstand even the harshest weather conditions, O Series speakers will provide years of outdoor (and indoor!) listening pleasure.

All O Series Outdoor Speaker Systems Feature...

- Big Sound—Small Profile
- Weather-resistant construction designed to withstand even the most extreme conditions
- Custom C-brackets (included) allow for easy installation under eaves, pivoting up to 180° and horizontal or vertical mounting
- OmniMount™ compatible
- Paintable grilles, cabinets and brackets allow for easy color matching
- Available Colors: White or Black (OM650), White (OM525, OE650, OE525)
- Gold-plated, weather-resistant speaker terminals for the best possible connection
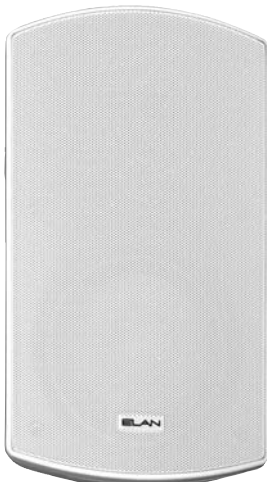
OM650B/OM650W   6.5" 2-WAY OUTDOOR SPEAKERS

Woofer: ....6-1/2" Polypropylene/Mica Composite Cone w/ Butyl Rubber Surround	Bass Reflex Enclosure: ....Glass-Filled ABS Bass Reflex Design
Tweeter:..............19mm Silk Dome w/ Vented Pole	Mounting System (included): ....180° Aluminum Swivel Brackets
Crossover: ....Second-Order, Low "Q" @ 2.4kHz	Operating Temperature: ....-4°F to +140°F (-20°C to +60°C)
Sensitivity:..90dB	
Frequency Response: ....58Hz - 20kHz +/- 3dB	Outside Dims. w/out Bracket: .... 7-5/16" W x 13-5/16" H x 7-5/16" D 186 W x 338 H x 186 D (mm)
Rated Power: ....5 - 100W RMS	
Impedance Nom./Min.: ....6 Ohms	Color: ....Black or White
Grille:....................................Rust-Proof Aluminum	

OM525W   5.25" 2-WAY OUTDOOR SPEAKERS

Woofer: ....5-1/4" Polypropylene/Mica Composite Cone w/ Butyl Rubber Surround

Tweeter:..............19mm Silk Dome w/ Vented Pole

Crossover: ....Second-Order, Low "Q" @ 2.4kHz

Sensitivity:..89dB

Frequency Response: ....60Hz - 20kHz +/- 3dB

Rated Power: ....5 - 85W RMS

Impedance Nom./Min.: ....6 Ohms

Grille:....................................Rust-Proof Aluminum

Bass Reflex Enclosure: ....Glass-Filled ABS Bass Reflex Design

Mounting System (included): ....180° Aluminum Swivel Brackets

Operating Temperature: ....-4°F to +140°F (-20°C to +60°C)

Outside Dims. w/out Bracket: .... 6-1/2" W x 10-13/16" H x 6-3/4" D 165 W x 275 H x 171 D (mm)

Color: ....White

OE650W   6.5" 2-WAY OUTDOOR SPEAKERS

Woofer:....................6-1/2" Polypropylene, Carbon Composite Cone w/ Butyl Rubber Surround

Tweeter: ....13mm Silk Diaphragm Ferrofluid Cooled

Crossover:........First-Order, Linear Phase @ 3.1kHz

Sensitivity:..89dB

Frequency Response: ....65Hz - 20kHz +/- 3dB

Rated Power: ....5 - 80W RMS

Impedance Nom./Min.: ....6 Ohms

Grille:....................................Rust-Proof Aluminum

Bass Reflex Enclosure: ....ABS

Mounting System (included): .... 180° Aluminum Swivel Brackets

Operating Temperature:.. -4°F to +140°F (-20°C to +60°C)

Outside Dims. w/out Bracket: .... 7-5/16" W x 13-5/16" H x 7-5/16" D 186 W x 338 H x 186 D (mm)

Color: ....White

OE525W   5.25" 2-WAY OUTDOOR SPEAKERS

Woofer:....................5-1/4" Polypropylene, Carbon Composite Cone w/ Butyl Rubber Surround

Tweeter: ....13mm Silk Diaphragm Ferrofluid Cooled

Crossover:........First-Order, Linear Phase @ 3.1kHz

Sensitivity:..88dB

Frequency Response: ....75Hz - 20kHz +/- 3dB

Rated Power: ....5 - 60W RMS

Impedance Nom./Min.: ....6 Ohms

Grille:....................................Rust-Proof Aluminum

Bass Reflex Enclosure: ....ABS

Mounting System (included): ....180° Aluminum Swivel Brackets

Operating Temperature: ....--4°F to +140°F (-20°C to +60°C)

Outside Dims. w/out Bracket: .... 6-1/2" W x 10-13/16" H x 6-3/4" D 165 W x 275 H x 171 D (mm)

Color: ....White

SPEAKER ACCESSORIES

BRACKETS
NEW CONSTRUCTION BRACKETS FOR ALL M SERIES SPEAKER MODELS
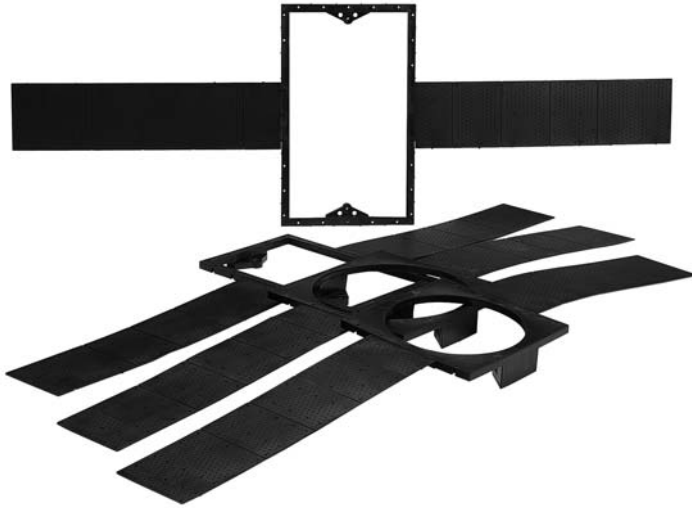
FEATURES & SPECS

- Dimpled bracket wings make for easy, single-handed starting of mounting screws
- Each 16" x 4" bracket wing can be mounted on up to 24" centers
- Locking dovetail design lets you mount the wings anywhere around the perimeter of the bracket
- Special mounting holes allow you to install the frame and grill without the speaker baffle
- Non-permanent bracket installation! Brackets can be removed from behind the drywall during trim-out if desired
- Wiring "tie-off" holes guarantee you won't lose your speaker wire
- All plastic parts molded from impact and temperature resistant polymer
- Sold in six-packs

CEILING BRACKETS

5.25"	BKT525C
6.5"	BKT650C
8"	BKT800C

IN-WALL BRACKETS

5.25"	BKT525W
6.5"	BKT650W
8"	BKT800W

BRACKET FEATURES

Dimple Wings
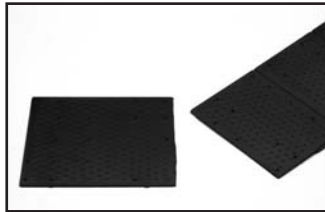
Scored Wings

Dovetail Interlock

Frame-only Holes

ELAN M SERIES SPEAKER BRACKETS

Cat.No.	Size	Type	Quantity
BKT525C	5.25"	Ceiling	6
BKT525W	5.25"	In-Wall	6
BKT650C	6.50"	Ceiling	6
BKT650W	6.50"	In-Wall	6
BKT800C	8"	Ceiling	6
BKT800W	8"	In-Wall	6

ENCLOSURES M SERIES FIRE-RATED SPEAKER ENCLOSURES

ELAN M Series Speaker Enclosures meet all the requirements for markets where building codes dictate that in-wall or in-ceiling speakers be installed in fire-rated enclosures.

Constructed from .032" steel, each enclosure is 1-hour fire rated in accordance with ATSM E1119-00, CAN/ULC-S101-M89, NFPA 251 and UBC 7-1 "Fire Tests of Building Construction and Materials". A copy of ELAN's Certificate of Compliance to these standards is enclosed with each enclosure for presentation to building inspectors upon request.

Designed to accommodate all M Series 6.5" In-Wall, 6.5" Ceiling and 8" Ceiling speakers, each enclosure features 3/8" knock-outs on all four sides so that speaker wire can be pulled into the enclosure from any direction. Two 3/8" UL®-rated connectors, one for wire and one for conduit, are also included. Each enclosure is filled with fire-rated 2"-thick rock wool to dampen resonance within the box.

BB650W
6.5" IN-WALL SPEAKER ENCLOSURE

NEW!

- For use with all ELAN M Series 6.5" In-Wall Speakers
- Dimensions: 18"W x 22.30"H x 3.48"D
  458mmW x 567mmH x 89mmD

BB650C
6.5" CEILING SPEAKER ENCLOSURE

NEW!

- For use with all ELAN M Series 6.5" Ceiling Speakers
- Dimensions: 18"W x 16.60"H x 5.48"D
  458mmW x 422mmH x 139mmD

BB800C
8" CEILING SPEAKER ENCLOSURE

NEW!

- For use with all ELAN M Series 8" Ceiling Speakers
- Dimensions: 18"W x 23.77"H x 5.48"D
  458mmW x 604mmH x 139mmD

M SERIES REPLACEMENT PARTS

GRILLES, FRAMES, CLAMPING LEGS
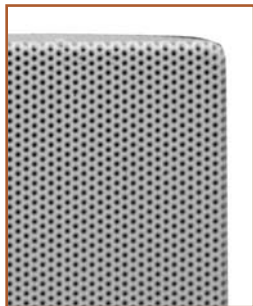
GRILLES, FRAMES, CLAMPING LEGS		
Cat.No.	Description	Quantity
SAGR525C	525 Speaker Grille, Ceiling	2
SAGR650C	650 Speaker Grille, Ceiling	2
SAGR800C	800 Speaker Grille, Ceiling	2
SAGR525W	525 Speaker Grille, In-Wall	2
SAGR650W	650 Speaker Grille, In-Wall	2
SAGR800W	800 Speaker Grille, In-Wall	2
SAFR525C	525 Speaker Frame, Ceiling	2
SAFR650C	650 Speaker Frame, Ceiling	2
SAFR800C	800 Speaker Frame, Ceiling	2
SAFR525W	525 Speaker Frame, In-Wall	2
SAFR650W	650 Speaker Frame, In-Wall	2
SAFR800W	800 Speaker Frame, In-Wall	2
SASD12	Clamping Legs, includes	12 In-Wall 8 In-Ceiling

listen

ELAN doesn't stop at giving you the capability to listen to music in every room—
we also give you lots of different music to listen to! Our multi-output music
sources allow you to listen to everything from AM and FM Radio to compressed or
uncompressed digital music in different rooms at the same time. *Listen up . . .*

VIA!dj DIGITAL MUSIC SERVER

Now with Digital JukeBox Feature and 20X Ripping Speed!

NOW AVAILABLE VIA!dj-hc with 250GB Harddrive!

VIA!dj is a digital audio storage and music management system with a 160 gigabyte hard drive that gives you instant access to all your music from any VIA! Touch Panel or television in the home. With four discrete pairs of audio outputs, having one VIA!dj is like having four separate mega CD changers – each one capable of independently playing any song from your entire music collection – instantly, from any room.

Updated for 2005, the VIA!dj now has a **Digital Jukebox** feature that allows you to create a song list from your music collection which will play in the order you entered them. In the tradition of the classic American jukebox, just add as many songs as you like to the Jukebox list and let 'em play! Also new, the dj can now rip CDs at 20 real-time speed from its front CD tray. Now you can add new music to the dj's hard drive faster than ever before! It is now also possible to easily transfer music from the VIA!dj to portable digital music players (using a PC) when you want to take your music on the move. And finally, we've added a fourth pair of analog audio outputs! Now you can listen to four independent streams of audio throughout the house plus use the digital audio output to access your music collection in a home theater.

Navigation is easy and intuitive with the large, full-color graphics displayed on the touch panels. View the cover art of each CD. Select the music you want to listen to by artist name, CD title or song title, or select entire genres. Make your own play lists. Play back any CD, play list or genre randomly or sequentially—do it all from anywhere you have a VIA! Touch Panel.

Four pairs of analog audio outputs allow you to listen to different tracks in different rooms simultaneously. The dj also features a digital audio output that allows you to share one of the analog outputs with a home theater. VIA!dj graphics can then be viewed, and the dj controlled, by a VIA! Touch Panel in the home theater. Or the graphics can be displayed on the theater's large screen TV, and controlled using the VIA!dj handheld remote (included). The VIA!dj can even record DTS 5.1 encoded audio CDs for home theater playback.

The VIA!dj has a built-in modem which dials up on-line music information services and automatically downloads cover art and song lists. Data can also be downloaded using a DSL or cable modem connection through a home network. MP3 audio can be recorded in this fashion and added to your music collection.

NEW FEATURES:

- Digital Jukebox
- 20x ripping speed from CD tray
- Transfer music to portable digital music players (e.g. Apple® iPod™)
- 4 discrete analog audio outputs for independent multi-room listening

F E A T U R E S & S P E C S

- Fast, easy access to your entire music collection
- Select music by artist, CD, track, genre or playlist
- "Quick Add" feature allows you to add favorite tracks to a playlist "on the fly"
- "Preset" feature for quick, user-friendly access from standard keypads and remotes
- 160GB hard drive stores approximately 2,800 hours of music (compressed) or 250 hours (uncompressed)
- Internet access via built-in modem or Ethernet downloads cover art, titles and song lists
- Ethernet capable – transfer MP3 files, maintain and update cataloged music
- 4 recording qualities: 128kB, 192kB, 320kB and uncompressed

Specifications:

Audio Outputs: ....4 pr. Analog, 1 Digital Optical, 1 Digital Coaxial

Recording Inputs: ....1 pr. Analog, 1 Digital Optical, 1 Digital Coaxial

Video Outputs: ......Composite, S and VGA

RJ-11 Modem port (56kbit/s)

RJ-45 Ethernet port (10/100 Base T)

RS-232 serial port (9 pin D-type M)

USB Ports: ....2 (Type A USB socket)

Rear panel 3.5mm IR Input jack

Stereo RCA cable, Video RCA cable, Modem cable & Remote Control included

NTSC or PAL compatible

UL® Listed and CE approved

Dimensions:...
17-15/16" W x 3-7/8" H x 14-3/4" D
456mm W x 99mm H x 375mm D

ELECTRONIC HOUSE 2003 Product of the Year

Mark of Excellence CEA 2003 Winner **Product of the Year** and **Best Audio Component**

INNOVATIONS 2003 DESIGN & ENGINEERING SHOWCASE HONORS

DISTRIBUTED AUDIO AWARDS WINNER EHX 2003

Select Track
Old School Cool
Hepcat & the Dogs — Active 1 2 3 HT

1. Grandpa's wardrobe
2. Fast corners and bald tires
3. Old school cool
4. Milkshake on the go
5. Eight smokin' pistons
6. Rebuild on the run
7. Peggy and Frankie

Hepcat & the Dogz - OLD SCHOOL COOL -

Menu — Volume — + — Back — Info — Play — Exit ELAN

VIA!dj-s DIGITAL MUSIC SERVER **NEW!**

With Digital JukeBox Feature and 20X Ripping Speed!

Introducing VIA!dj-s – the affordable solution for consumers who wish to reap all the benefits of whole-house digital music management, but whose listening needs do not require independent multiple-outputs.

VIA!dj-s is a single-output digital audio storage and music management system with a 160 gigabyte hard drive that gives you instant access to all your music from any VIA! Touch Panel or television in the home. The dj-S has all the features of its big brother, the award-winning, multi-output VIA!dj, including the new Jukebox feature that allows you to create a song list from your music collection which will play in the order you entered them. Other new features include 20x CD ripping from the front CD tray, and an easy way to transfer music from the dj-S to portable digital music players, such as the Apple® iPod™.

Homeowners will find that accessing their entire music collection is easy and intuitive with the large, full-color graphics the dj-S displays on VIA! Touch Panels around the house. View the cover art of each CD. Select the music you want to listen to by artist name, CD title, song title, or genre. Make your own playlists. Play back any CD, playlist or genre randomly or sequentially —and do it all from anywhere you have a VIA! Touch Panel. There's even a 'Quick Add' feature that allows you to add your favorite tracks to a playlist 'on the fly', and a 'Preset' feature for quick, user-friendly access from standard keypads and remotes.

The VIA!dj-s has a built-in modem which dials up on-line music information services and automatically downloads cover art and song lists. Data can also be downloaded using a DSL or cable modem connection through a home network. MP3 audio can be recorded in this fashion and added to your music collection.

FEATURES & SPECS

- Fast, easy access to your entire music collection
- Select music by artist, CD, track, genre or playlists
- Digital Jukebox feature
- Transfer music to portable digital music players (e.g. Apple® iPod™)
- "Quick Add" feature allows you to add favorite tracks to a playlist "on the fly"
- "Preset" feature for quick access from standard keypads and remotes
- 20x ripping speed from CD tray
- 160GB hard drive stores approximately 2,800 hours of music (compressed) or 250 hours (uncompressed)
- Internet access via built-in modem or Ethernet downloads cover art, titles and song lists
- Ethernet capable – transfer MP3 files, maintain and update cataloged music
- 4 recording qualities: 128kB, 192kB, 320kB and uncompressed

Specifications:

Audio Outputs: ....1 pr. Analog, 1 Digital Optical, 1 Digital

Recording Inputs: ....1 pr. Analog, 1 Digital Optical, 1 Digital Coaxial

Video Outputs: ....Composite, S and VGA

RJ-11 Modem port (56kbit/s)

RJ-45 Ethernet port (10 /100 Base T)

RS-232 serial control port (9 pin D-type M)

USB Ports: 2 (Type A USB socket)

Rear panel 3.5mm IR Input jack

Stereo RCA cable, Video RCA cable, Modem cable and Remote Control included

NTSC or PAL compatible

UL® Listed and CE approved

Dimensions:...
17-15/16" W x 3-7/8" H x 14-3/4" D
456mm W x 99mm H x 375mm D

listen

DTNR DIGITAL DUAL TUNER

The DTNR is two separately-controlled digital AM/FM tuners in one standard-size audio component. It can be controlled via IR or RS-232 serial communications, is easy to operate, and is the perfect add-on source component to any ELAN system.

The DTNR provides two independent tuners that can be accessed from anywhere in the home. Two-way RS-232 communica-tions allow ELAN VIA!® Touch Panels to control the DTNR and display station status, presets, mono/stereo configuration, direct or preset tuning and more. No blind guessing when selecting a radio station. The information normally seen on a radio tuner's display can now be viewed on all the VIA! Touch Panels in the house.

As many as 16 of your favorite radio stations can be custom-named and displayed on any VIA! Touch Panel so that it's easy for you to find them – 101.1 or WKQQ or ROCK – name them however you like. And the DTNR has 30 AM and 30 FM presets for each of its two turners that can be accessed using the front panel. That's a total of 120 radio presets! The DTNR is easily controlled from any ELAN keypad as well. Standard keypad buttons can be intuitively assigned for tuning, preset and direct access control.

The DTNR can be set up for use with ELAN multi-room controllers and VIA! Touch Panels in seconds. The DTNR's RS-232 serial driver and IR code set are embedded in the latest version of VIA!TOOLS setup software. All you need to do is point and click on the appropriate file and pre-designed tuner control template, with RS-232 or IR commands already assigned to each VIA! button, are automat-ically loaded. All you need to do is custom name the homeowner's favorite radio stations!

The DTNR ships with a handheld remote so it can be controlled through any IR receiver in the home; or use it to 'teach' other system handheld remotes.

The DTNR's sensitivity, separation and signal-to-noise specifications are on par with the finest stand-alone tuners on the market, making for clear reception in all areas.

FEATURES & SPECS

FEATURES:

- Dual digital AM/FM tuners in one component
- Direct-access tuning
- 30 AM/30 FM Presets per tuner (120 total) accessible from front panel
- 16 custom-named AM/FM presets per tuner accessible rrom any VIA! Touch Panel
- RS232 control provides 2-way feedback to VIA!s
- IR controllable from front panel or with direct IR input on rear
- 2 discrete code sets for individual control of each tuner
- Easy setup
- User friendly
- Memory backup stores presets even when the unit is unplugged
- Remote control, FM dipole antenna, AM loop antenna, stereo RCA cable, rack eears, 75 Ohm adapter included

SPECIFICATIONS:

Power Requirements 120VAC, 60Hz

Power Consumption ....12 Watts

FM Tuning Range ....
87.5MHz to 107.9MHz (20kHz steps)

AM Tuning Range..
530kHz to 1,710kHz (10kHz steps)

Frequency Response ....
30Hz to 15kHz +/- 1.5dB

Dimensions ....
17-1/8" W x 3-3/4"H x 10-5/8" D
444mm W x 96mm H x 270mm D

Weight   ....9 lbs/4 kg

listen

communicate

Nobody communicates better than ELAN. ELAN was the first to use a homeowner's existing touch-tone phones to provide user-friendly communication throughout the home. Use these lifestyle-changing features once, and you'll wonder how you ever lived without them.

Z600   COMMUNICATIONS CONTROLLER

(Also Available in 19" Rack-Mount Version, Model Z•601)

Add Whole-House Telecommunications to Any S12, S6, Z•630 or Stand-Alone System!

ELAN was the pioneer in the integration of standard touch-tone telephones into distributed audio systems, and the Z•600 Communications Controller is the culmination of years of experience in this arena.

The concept is simple. Instead of walking up to a box mounted on the wall, all you need to do is pick up any telephone to communicate throughout the home. Easy-to-remember key presses initiate features such as Whole-House Paging, Phone-to-Phone Intercom, Two-Way Door Station Communications and Caller-On-Hold. Pages are heard over the same speakers that were

installed for music distribution. If a caller is on hold, the Music-On-Hold feature will keep them entertained.

Additional features let homeowners control door/gate latches and activate relay-controlled devices such as lighting and garage door openers from any touch-tone phone. Add up to two ELAN door stations and digital door chimes broadcast throughout the home.

And the Z•600 isn't just for use with ELAN Z•Series—it's a stand-alone component that integrates into any receiver-based system in lieu of an old-fashioned intercom!

FEATURES & SPECS
- Whole-house paging and music mute
- Phone-to-phone intercom
- Music-on-hold
- Caller on-hold
- Off-hook and on-hold alerts
- 2-way door station communications and latch control (ELAN door stations required)
- Two digitally-sampled door chimes
- Telemute
- Relay control

TELCO INTERFACE:
House Phone Battery Voltage: 24VDC

C.O. Access Lines: ....1 per Z•600 (up to 4 Z•600s can be linked together for multi-line capabilites)

RJ-11 "Telco" Interface:......................Cat-5

Page/Door Chime I/O Requirements:
Page/Door Chime Mono Output: .... 0 to 2.5V p-p adjustable

Page/Door Chime DC Control Output: ...... open collector

Music-On-Hold Input Level: .... 0 to 2.5V p-p adjustable, Line Level only

Volume Control Override Output:
+12VDC @ 250mA internally powered

+12VDC @ 1.5A when using a Z•027 power supply

Door Speaker Interface:
22-24AWG, 4 twisted-pair, shielded wire with drain terminated to ELAN C45P RJ-45 interface cable

Dry Contact Relay Interface (4):
Relay Type: ....SPST

Contact Rating: ....30VAC/DC, 1A max.

GENERAL:
Power Requirements: 120VAC, 12W

Dimensions:..
- Z•600: ....17" W x 2-1/4" H x 10" D 432mm W x 58mm H x 254mm D
- Z•601: ....19" W x 1-3/4" H x 10" D 483mm W x 45mm H x 254mm D

ETL® Listed and CE approved

PZ600 PRECISION PANEL

The New PZ600 Precision Panel makes the addition of whole-house telecommunications easier than ever!

communicate

DSC2000   DOOR STATION w/COLOR CAMERA

FEATURES & SPECS

Camera:

    Imager:..1/3" CCD

    Auto Iris: ....1/50 – 1/10000 sec.

    Lux:..0.5 min.

    Resolution: ....380 TV lines

    Horizontal Viewing Angle: ....120°

    Vertical Viewing Angle: ....100°

    Swivel:.....................+15°/-15° left to right

    Video Output: ....1V peak-to-peak

    Video Output Impedance: ....75 Ohms

Power Requirements: ....12VDC @ 90mA
    (camera power supply included)

Speaker: ....8 Ohms, closed back
polyester cone

Microphone: ....High-gain
omni-directional condenser

Door Latch Relay: ....12VDC coil,
2A contact rating

Wiring Requirements: 22-24AWG,
    4 twisted-pair, shielded wire with drain,
    RG-6 or RG-59 coax for camera video

The DSC2000 is a full duplex door station with a miniature color CCTV camera built right in! The DSC2000 has a high-efficiency speaker that provides improved voice intelligibility and a wider frequency response over conventional intercom door stations; a supersensitive microphone that can pick up casual conversations up to 20 feet away; and a high-res, low-lux, wide-angle color CCTV camera that can withstand the harshest environments— all behind an attractive tarnish-proof faceplate that will add a touch of class to any home.

The DSC2000 comes with a separate lighted doorbell button for mounting on the door jamb. The doorbell button plate matches the Brass, Chrome or Ivory plate of the door station and has the same tarnish-proof zirconium nitride finish.

Available in: Ivory, Brass and Chrome.

DS1500/1550   DOOR STATIONS

FEATURES & SPECS

Speaker: ....8 Ohms, closed back

Microphone: ....Amplified, cardioid
pick-up element

DS1550 Door Latch Relay:........12VDC coil,
2A contact rating

Interface: ....Deplugable, labeled
connectors

Wiring Requirements: 22-24AWG,
    4 twisted-pair, shielded wire with drain,
    RG-6 or RG-59 coax for camera video

400 ft. max.

Available in two models, the1500 Series door speaker assemblies guarantee superior full-duplex communications at dwelling entrances and remote gate locations.

Both designs contain a closed-back speaker, minimizing feedback with the microphone. This high-efficiency speaker provides improved voice intelligibility and a wider frequency response over conventional intercom door stations. The supersensitive microphone can pick up casual conversations from up to 20 feet away.

The DS1550 also includes a door latch relay. When used with additional equipment, this relay provides automatic door strike control from a touch-tone phone.

communicate

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DS10/20/30 — DOOR STATION FACEPLATES FOR DS1500/DS1550

The best-looking door station face plates on the market!

Machined from 0.4" solid brass and finished to match the DC2000 Color Door Camera faceplate, an ELAN home never looked better from the curb.

The DS20 package includes a brass faceplate with lighted doorbell button. The DS10 is an ivory-painted brass faceplate with doorbell button. The DS30 is a high-polish chrome faceplate with doorbell button.

Available in: Ivory, Brass and Chrome.

F E A T U R E S & S P E C S

- 0.4" thick solid brass
- Tarnish-proof zirconium nitride finish
- Includes lighted doorbell button
- Matches DC2000 Color Door Camera faceplate (See page 55)

DBK10006P — DOOR STATION/DOOR CAMERA ROUGH-IN BRACKETS (6 PACK)

The new-construction bracket for flush-mounting the DSC2000 combination Door Station with Color CCTV Camera, the DS1500 and DS1550 Door Stations, and the DC2000 Color Door Camera.

F E A T U R E S & S P E C S

- Allows for flush mounting into drywall, stucco, brick or clapboard
- Vapor barrier included
- Cut-Out Dimensions: ....
  4-5/8" W x 2-5/8" H
  118mm W x 67mm H
- Sold in quantities of 6

BLK1000 — DOOR STATION ROUGH-IN COVER
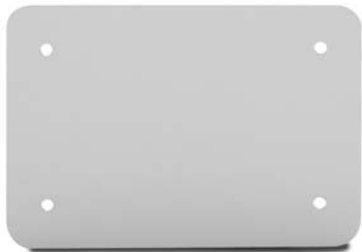
This blank plate is designed for use as a temporary cover to protect rough-in brackets and door station/door camera prewires.

The BLK1000 can be painted to match any exterior decor. We suggest Krylon® Epoxy enamel for optimum color match and smooth surface finish.

F E A T U R E S & S P E C S

- Temporary prewire cover for door station/door camera installations
- Paintable to match any exterior color

MORE COMMUNICATION PRODUCTS FROM ELAN…

MAC24

The MAC24 Music and Communications Center has ELAN's patented telecommunication features built right in!

SEE STRUCTURED WIRING SECTION, Page 73.

HD SERIES

Zone-to-zone and whole-house paging, phone-to-phone intercom and more are available when you add the HDC2050 Telephone Interface Card to any HD Series system.
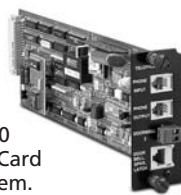
SEE CONTROLLERS SECTION, Page 16.

SW TELEPHONE

ELAN offers a complete line of telephone distribution hubs and wall plates featuring both RJ-45 and 110 punch-down connectors for every application.

SEE STRUCTURED WIRING SECTION, Pages 64-72.

communicate

command

Despite the proliferation of RS-232 and RF controlled devices, IR is still what it boils down to when you're trying to control many things from many different areas. ELAN's industry-standard IR receivers, emitters and routers have been in command of A/V systems for more than a decade.

IR2020 MINIATURE SURFACE-MOUNT IR RECEIVER

Need a low-profile, miniature IR Receiver that can be surface-mounted just about anywhere? The IRC2020, with a range of up to 30 feet and 55 degree off-axis reception fits the bill.

Surface-Mount Technology (SMT) circuitry and a tinted lens reduce electromagnetic and optical interference ensuring reliable operation.

Its slim design means that it can be placed inconspicuously in hard-to-fit locations.

Available in: White and Black.

FEATURES & SPECS
- IR Bandwidth: 20-100kHz
- Range: ....Up to 30 ft.
- Reception Angle: ....55° off-axis
- Power: ....12VDC @ 10mA
- Dimensions: ....3/8" W x 3/8" H x 2" L
  ....10mm W x 10mm H x 51mm L

IRC3000 INFRARED COMPANION

Designed with a small, unobtrusive IR window in a plastic Decora®-style insert, the ELAN IRC3000 Infrared Companion receiver is designed for use as a standalone product in rooms where IR control is desired without the expense of a keypad.

The IRC3000 is packaged with a double-gang Leviton® wall plate for easy side-by-side installation with in-wall volume controls.

The polished lens allows infrared signals to pass while blocking visible light. An EMI filter is also included to block interference from adjacent light dimmers.

Available in: White, Ivory, Almond, Black and Brown.

FEATURES & SPECS
- IR Bandwidth: 20-100kHz
- Range: ....Up to 30 ft.
- Reception Angle: ....55° off-axis
- Power: ....12VDC @ 10mA
- Includes Receiver, Plate, and Screws
- Dimensions: ....2" L tube,
  ....51mm L
  preinstalled in a Decora® insert

IRTUBE INFRARED RECEIVER TUBE

For use with Z•250, Z•200 and Z•201 keypads, or anywhere an inconspicuous flush-mount, IR Receiver is required, the IR Tube features a built-in EMI filter and a range of up to 30 feet. The threaded brass tube comes with a low-profile bezel.

FEATURES & SPECS
- IR Bandwidth: 20-100kHz
- Built-in EMI filter
- Range: ....Up to 30 ft.
- Reception angle: ....55° off-axis
- Power Requirements: ....12VDC @ 10mA
- Dimensions (without bezel): ....
  ....1-13/16" L, 15/32" dia.
  ....47mm L, 12mm dia.

IR EMITTERS

ELAN industry-standard IR Emitters can be used with any infrared transmission system on the market. All three models feature an IR-transparent housing that allows infrared from hand-held remotes to pass through to a source component's IR window, allowing for in-room, as well as system control, of every source. ELAN IR Emitters pack out with extra, pre-cut adhesive backings and an IR shield that prevents stray IR commands directed at other sources from interfering source control – ideal for use in enclosed cabinetry.

IR2040
MINIATURE IR EMITTER

The standard emitter for most source-control applications. Sold in packages of six.

IR2041
DUAL PLUG MINIATURE IR EMITTER

Designed specifically for controlling one source from two controllers. Sold in packages of six.
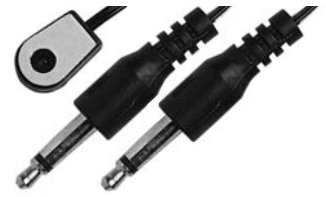
IR2042
DUAL MINIATURE IR EMITTERS WITH SINGLE PLUG

Perfect for ELAN IR 'ALL' port applications where two sources need to be controlled from the same IR output port. Sold in packages of six.

IR2043
3.5mm to 3.5mm MINI PLUG INTERCONNECT CABLE

Available in two-meter lengths, the IR2043 is used for IR connections between ELAN multi-room controller IR 'ALL' ports and any component that has a 3.5mm IR input jack. Ideal for use with the ELAN Z•880 Video Controller, VIA!®dj Digital Music Server and the DTNR Dual Digital Tuner. Also perfect for routing the Trigger outputs of ELAN multi-room controllers to ELAN amplifiers, Z•Fans and the Z•Power Controller. Sold in packages of six.

IRZ IR CONNECTING BLOCK w/ ZONING CAPABILITY

Receiver-based audio systems are now even more affordable and easier to install with the IRZ.

This single-gang Decora®-styled connecting block can power up to 12 Z•PADs or IRC3000 receivers, creating a four-zone IR repeater system with three sub-zones each. The zoned routing accommodates multiple same-model receivers without IR cross talk. The IRZ can also be used as a 1 x 6 powered IR distribution block.

The two 'ALL' ports can control the common sources in the system.

Available White Decora® only.

Z080 STANDALONE SIX-ZONE Z•PAD POWER MODULE

FEATURES & SPECS

- 6-zone IR Emitter output ports
- 2 IR 'ALL' ports to control common source equipment
- Powers up to 12 Z•PADS with no Z•025 Relay Modules
- Powers up to 6 Z•PADs with 6 Z•025 Relay Modules
- Receiver ON/OFF status feedback
- Installer-friendly receiver power status and IR activity indicators
- 11VAC Power Supply included

This Z•PAD interface is the power, IR routing and receiver status-sensing hub for keypads used in standalone systems.

The Z•080 can control six stereo receivers with independent keypads and dedicated IR emitter outputs.

Two 'ALL' ports with dipswitch-selectable hi/lo emitter drive currents can control the common sources in this system.

Power On/Off status of multiple receivers is sensed via the use of PWR9 power supplies plugged into the switched outlets of each receiver.

PWR9

KEYPAD INTERFACE POWER CUBES

Designed for sensing the On/Off Status of receivers when plugged into their switched outlets

- Output: +9VDC unregulated @100mA (not for use in powering Z•PADs)
- Packed 3 per box

ELAN IR LINE

Look for new and exciting additions to the ELAN IR Product Line in 2005!

INFRARED CONTROL
by ELAN

view

High-quality video—anywhere—at the touch of a button. From matrix video switchers to miniature color CCTV cameras and digital modulators, ELAN video products let you view it all.

Z880 VIDEO CONTROLLER

(Also Available in 19" Rack-Mount Version, Model Z•881)

The Z•880 is one of the most versatile high-performance composite video switchers on the market today.

In an S6, Z•630 or HD Series system, the Z•880 can be used to access any A/V source from any zone. When using VIA! Touch Panels, the Z•880 is an essential component—allowing you to view up to eight video sources on each VIA!® panel! Since it is IR and RS-232 controllable, the Z•880 is the perfect video switcher for any stand-alone commercial or security application.

With the Z•880, each one of eight outputs can independently select any one of the eight video sources. Wideband switch matrix and video line drivers are placed on a premium double-sided flooded ground-plane circuit board. This ensures that the highest quality video and cross talk performance specs are maintained. All of this means crystal clear video distribution—even to TVs located up to 500 feet away!

User/Installer-friendly LED readouts, 75 Ohm/Hi-Z input dipswitches, and RS-232 baud rate selectors provide many application opportunities for this unit.

Control interfaces include front panel IR receiver, rear panel IR Input, RS-485, RS-232, and HD Series Serial Control Data Links.

Link up to three Z•880s together to create an 8 x 24 video switch matrix under IR, RS-232 or HD system control. Three units can also be linked together to create an 8 x 8 component video switcher.

The Auto Track button on the Z•038 remote (optional), synchronizes all outputs to the system controller.

FEATURES & SPECS

- Use with S6, Z•630 or HD Systems
- Perfect for standalone surveillance applications

INPUTS:
8 composite video, 1V p-p nominal

Input Impedance: ....75 Ohms or Hi-Z

OUTPUTS:
8 composite video (expandable to 24 outputs with 3 Z•880s)

Output Impedance: ....75 Ohms

Video Gain: ....0dB Nominal

Freq. Resp.: ....+/-1.0dB, DC to 35mHz

Bandwidth: ....DC to 35MHz Min.

Chrominance to Lum. Delay: ......< 10nSec

S/N Ratio: ....>60dB

Differential Phase:..........................< 1 Deg

Differential Gain:...............................< 1%

Short Time Distortions: ....1 NRE

Crosstalk: ....>70dB

CONTROL INTERFACES:
Front panel IR receiver

Rear panel 3.5mm IR input

Optional Z•038 handheld remote control

Rear panel RS-485 input compatible with the Z•630 Multi-room Controller RS-485 bus

RS-232 Interface: 9600/19200 baud rate, dipswitch selectable

HD serial control input

GENERAL:
Power Requirements: 120VAC, 12W

Dimensions:

Z•880: ....17" W x 2-1/4" H x 10" D
432mm W x 58mm H x 254mm D
Z•881: ....19" W x 1-3/4" H x 10" D
483mm W x 45mm H x 254mm D

ETL® Listed and CE approved

MOD4000 4-CHANNEL DIGITAL MODULATOR

NEW!

The ELAN MOD4000 is a four-channel, digitally-tuned video modulator that converts any baseband video and audio signal to UHF or Ultraband CATV. The internal quartz crystal reference oscillator and PLL circuitry ensure drift-free performance. Any TV connected to the output via coax cable can receive any of the four signals when the TV is tuned to the proper channel.

FEATURES & SPECS

- 4-channel digital modulator
- Digital tuning
- Drift-free operation

Specifications:

Inputs:
  Video:.........................1V p-p @ 75 Ohms

  Audio: ....1 Vrms @ 47k Ohms
  (L and R inputs combined for monaural)

Performance:
  Differential Gain: 4%

  Differential Phase: ....<40

  Signal-to-Noise: 55dB

RF output:
  UHF: ....channel 14-64

  CATV: ....channel 65-125
  (excluding 95-99)

  Output Level:............+25dBmV (85dBuV)

  IM Distortion: ....-60dBC

  Alternate Channel: ......-45dBC @ 12mHz

Power Supply:....................15VDC @ 900mA
  (included)

DC2000 COLOR DOOR CAMERA w/ FACEPLATE
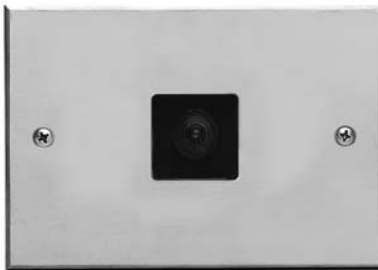
The DC2000 is a stand-alone color CCTV camera mounted to a Brass, Chrome or Ivory faceplate. It can be used by itself wherever an attractive, flush-mount, color camera might be needed, or in conjunction with a DS1500/DS1550 Door Station.

The DC2000 features a high-resolution, low lux, 1/3" CCD imager that provides clear pictures even under low light conditions. The built-in auto iris ensures optimal picture on bright sunny days without "blooming" or "washouts". The fixed focal-length lens has a horizontal viewing angle of 120° and a vertical viewing angle of 100° with no "fish eye" distortion.

Each custom faceplate is made from 0.4" solid brass with a tarnish-proof zirconium nitride finish and matches the DS10/20/30 Door Station Faceplates.

Like the DS1500/DS1550 and the DSC2000, the DC2000 uses our standard Door Station Rough-In Bracket (DBK1000).

FEATURES & SPECS

- 0.4" thick solid brass
- Lo-lux/high-res all-weather color camera
- Wide viewing angle
- Auto Iris
- Tarnish-proof faceplates match DS1500/DS1550 Door Stations
- Fits in DBK10006P Rough-In Bracket

SPECIFICATIONS:

Imager: ....1/3" CCD

Auto Iris:.........................1/50 – 1/10000 sec.

Lux: ....0.5 min.

Resolution: ....380 TV lines

Horizontal Viewing Angle:....................120°

Vertical Viewing Angle: ....100°

Swivel: ....+15°/-15° left to right

Video Output:....................1V peak-to-peak

Video Output Impedance: ....75 Ohms

Power Requirements: ....12VDC @ 90mA

Includes camera power supply and swivel mounting base

Wiring Requirements: ....18AWG, 2 conductor (for Power), RG-6 or RG-59 (for Video), max. 200 ft.

CAM5000   COLOR CCTV CAMERA

The CAM5000 is a miniature color CCTV camera that can withstand all the elements—including salt air, direct rain, sleet and snow.

The CAM5000's high-resolution, low-lux, 1/3" CCD imager provides clear pictures even under low light conditions. The built-in auto iris ensures optimal picture on bright sunny days without "blooming"

or "washouts". The fixed focal-length lens has a horizontal viewing angle of 120° and a vertical viewing angle of 100° with no "fish eye" distortion.

The CAM5000 comes with an easy-to-adjust swivel mounting base that can be mounted just about anywhere and allows you to point the camera in the direction you want.

FEATURES & SPECS

Imager: ....1/3" CCD

Auto Iris: ....1/50 – 1/10000 sec.

Lux:...0.5 min.

Resolution: ....380 TV lines

Horizontal Viewing Angle:..................120°

Vertical Viewing Angle: ....100°

Swivel: ....+15°/-15° left to right

Video Output: ....1V peak-to-peak

Video Output Impedance:............75 Ohms

Power Requirements: ....12VDC @ 90mA

Includes camera power supply and swivel mounting base

Wiring Requirements: ....18AWG, 2 conductor (for Power), RG-6 or RG-59 (for Video), max. 200 ft.

CAMKIT   DOME CAMERA KIT   NEW!

ELAN's Dome Camera Kit is designed to enhance the installation options of the CAM5000 Color CCTV camera.

Available in black (CAMKITb) or white (CAMKITw), each Dome Camera Kit provides you with flush- or surface-mount options for discrete, attractive CCTV camera installations.

Use the flush-mount option for a stealthy, low profile camera installation. The surface-mount option is ideal for retrofit applications. Everything you need for both installation methods (except the camera, which is sold separately) is included in each kit.

Available in: White and Black.

FEATURES & SPECS

- Dome Camera Kit for CAM5000 Color CCTV Camera
- Flush- and surface-mount options in each kit
- Low-profile/small size
- Easy assembly

SYSTEM12

In addition to being an 8-zone multi-room controller, the S12 has a 16 x 16 matrix video switcher built right in!

DSC2000

The DSC2000 features a miniature color CCTV camera integrated with a full duplex door station.

SW VIDEO

ELAN offers a complete line of video distribution amplifiers, hubs and splitters.

connect

ELAN has always prided itself on being a one-stop-shop for all its Dealers' custom installation needs. Now, with the new SW line of structured wiring products, ELAN truly is. From wire management centers, to telephone, data and video distribution hubs, ELAN has everything you need to connect all the dots.

ENCLOSURES, ENCLOSURE COVERS & ACCESSORIES

Available in 4 sizes to suit all your needs, each UL®- or ETL®-listed SW enclosure features a grid mounting pattern that allows you to quickly install ELAN SW Data, Telephone and Video distribution modules.

E36   36" ENCLOSURE   *NEW!*

The largest of the SW enclosures, the E36 is constructed from 16-gauge galvanized steel and has a built-in grid for the mounting of ELAN SW modules. This UL-listed enclosure fits in a standard 16" (on-center) stud bay and has eight 2" and three 3/4" knockouts for cable routing. Two vertical rows of 70 grid spaces accommodate a plethora of SW Data, Telephone and Video modules as well as the MAC24 Music and Communications Center (see page 73). The E36 also features a single-gang box knockout and adjustable side mounting tabs.

F E A T U R E S   &   S P E C S

- 36" high enclosure
- Two columns of 70 grid spaces per column (total 140 grid spaces)
- Moveable side mounting tabs accommodate 3 drywall thicknesses
- Fits between standard 16" (on center) studs
- Accepts AC4 outlet box accessory and ECS cable spacer (see page 62)
- Eight 2" & three 3/4" knock outs
- 16-gauge galvanized steel, painted white
- Dimensions:
  14-1/4" W x 36" H x 3-13/16" D
  362mm W x 915mm H x 97mm D
- UL® Listed
- C36 Enclosure Cover sold separately

C36   36" ENCLOSURE COVER   *NEW!*

This galvanized steel cover for the E36 enclosure installs easily with four screws (provided) and is vented at both top and bottom.

F E A T U R E S   &   S P E C S

- Cover for E36
- Installs easily
- Top and bottom vents
- 16-gauge galvanized steel, painted white

E32   32" ENCLOSURE (FORMERLY ELAN B2000)

This 32" SW enclosure is molded from impact-resistant ABS material and meets UL 94V-0/5VA flame-retardant ratings. The E32 provides years of long-lasting protection for SW components, as well serving as a wire management center and distribution hub for just about any other A/V distribution components you'd care to put in it.

The patented top entry "Wire-Gater" and clamping bar ensure a clean, finished look to the wire dress. Multiple top and bottom circular knock-outs accommodate various wire clamp sizes. The E32 fits between 16" (on center) studs for a clean flush-mount finish. Staggered mountings 'ears' allow multiple E32s to be placed in adjacent stud bays. Alternatively, the E32 can be mounted directly to the surface of any finished wall.

G32 32" Mounting Grid required for mounting SW Data, Telephone and Video distribution modules.

FEATURES & SPECS

- 32" high enclosure
- Molded from impact resistant ABS material
- Patented "Wire-Gater" for clean wire dress
- Top knockouts: four 1-3/8", two 1-1/8", four 3/4"
- Bottom knockouts: four 1-3/8", seven 1-1/8", two 3/4"
- Accepts AC4 outlet box accessory and ECS cable spacer
- Flush or surface mountable (must be surface mounted on firewalls)
- UL 94 V-0/SVA flame retardant rated for use in non-fire-rated walls
- Enclosure Exterior: 14-3/8" W x 32-1/4" H x 4" D 366mm W x 820mm H x 102mm D
- Enclosure Interior: 13" W x 26-1/2" H x 3-1/4" D 331mm W x 674mm H x 83mm D
- ETL® Listed
- G32 Mounting Grid and C32 Enclosure Cover sold separately

G32   32" MOUNTING GRID   NEW!

The G32 Mounting Grid fits into the E32 enclosure to provide a total of 108 grid spaces to mount ELAN SW Data, Telephone and Video modules, as well as the MAC24 Music & Communications Center.

With two vertical rows of 54 grid spaces, it's easy to configure any combination of SW components for easy termination, access and service.

FEATURES & SPECS

- Fits in E32 enclosure
- Easy to install
- Two columns of 54 grid spaces per column (total 108 grid spaces)
- 16-gauge galvanized steel, painted white

C32 32" ENCLOSURE COVER (FORMERLY ELAN C2000)

Molded from impact-resistant ABS resins, this neutral colored cover for the E32 provides a high-quality, finished look to your structured wiring center.

Made from flame-retardant 94V-0/5VA ABS plastic, the C32 has a textured finish with top and bottom ventilation grills. Four plastic lock-down screws and wire identification label included.

FEATURES & SPECS
- Cover for E32 enclosure
- Textured finish
- Heat ventilation grills
- Wire identification label
- 94V-0/5 VA rated
- ETL® Listed

E18 18" ENCLOSURE NEW!
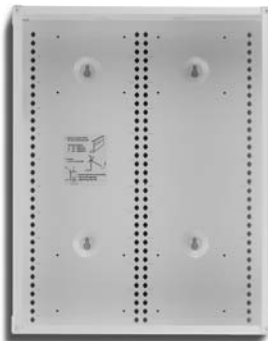
Constructed from 16 gauge galvanized steel, the E18 enclosure has a built-in grid for the mounting of ELAN SW modules. This UL®-listed enclosure fits in a standard 16" (on-center) stud bay and has eight 2" and four 3/4" knockouts for cable routing. Two vertical rows of 34 grid spaces accommodate multiple SW Data, Telephone and Video modules as well as the MAC24 Music Communications Center. The E32 also features a single-gang box knockout and adjustable side mounting tabs.

FEATURES & SPECS
- 18" high enclosure
- Movable side mounting tabs
- Eight 2" and four 3/4" knockouts
- Two columns of 34 grid spaces per column (total 68 grid spaces)
- Single-gang box knockout
- Accepts AC4 outlet box accessory and ECS cable spacer (see page 62)
- 16-gauge galvanized steel, painted white
- Dimensions:
  14-1/4" W x 18" H x 3-13/16" D
  362mm W x 458mm H x 97mm D
- UL® listed
- C18 Enclosure Cover sold separately

C18   18" ENCLOSURE COVER   *NEW!*

This galvanized steel cover for the E18 enclosure installs easily with four screws (provided) and is vented at both top and bottom.

FEATURES & SPECS

- Cover for E18 enclosure
- Installs easily
- Top and bottom vents
- 16-gauge galvanized steel, painted white

E10   10" ENCLOSURE   *NEW!*

Ideal for basic or specialized distribution applications, this 10" surface-mount grid can accommodate up to three SW modules and can be mounted over single or double-gang openings.

FEATURES & SPECS

- Easy installation
- Vertical or horizontal mounting
- Surface mounts over single- or double-gang openings
- Dimensions:
  6-1/2" W x 10-1/8" H x 1/2" D
  166mm W x 258mm H x 13mm D
- 16-gauge galvanized steel, painted white
- UL® listed
- C10 Enclosure Cover sold separately
- Number of grid spaces: 19

C10   10" ENCLOSURE COVER   *NEW!*

This galvanized steel cover for the E10 simply snaps on over the 10" grid and is deep enough to clear any SW grid-mounted module.

FEATURES & SPECS

- Snaps directly on to E10 enclosure
- Deep enough to fit over SW module
- 16-gauge galvanized steel, painted white

ENCLOSURE ACCESSORIES

AC4 DUPLEX OUTLET BOX *NEW!*

The AC4 Duplex Outlet Box brings AC power inside the E36, E32 and E18 enclosures and gives the installer a clean, easily accessible location to mount power adaptors. This UL® listed accessory can mount in any corner of the enclosure using the screws provided.

FEATURES & SPECS

- Fits in E36, E32 and E18 Enclosures
- Mounts at the top or bottom, left or right of enclosure
- Accommodates 2 duplex AC outlets– 4 outlets total (not included).
- UL® Listed

ECS ENCLOSURE CABLE SPACER *NEW!*

The ECS cable spacer fits in SW E36 and E18 enclosures and is designed to lift SW modules 1" above the enclosure's grid, leaving room behind it for easy wire management.

FEATURES & SPECS

- Connects to the grid pattern on E36 and E18 enclosures
- Lifts modules one inch above grid
- Adds wire management capability
- Increases usable space
- Compatible with E36 and E32 SW enclosures only

ECT ENCLOSURE COUPLING TUBE *NEW!*

For use with the E36 and E18 enclosures, these 2" conduit-size coupling tubes allow you neatly run cables between stacked SW enclosures.

FEATURES & SPECS

- 2" conduit size passes cables from enclosure to enclosure
- No limits on number of enclosures coupled
- Automatically spaces enclosures 2" apart
- Compatible with E36 and E18 SW enclosures only

EG2   2" ENCLOSURE GROMMETS   NEW!

These snap-in grommets fit in the 2" knockouts in E36 and E18 enclosures, allowing for easy routing of cables thorough the knockouts without any rough, metal edges to damage cable insulation.

F E A T U R E S   &   S P E C S
- Solid plastic grommets for 2" knockouts
- Makes for easy routing of cables through the knockouts
- Available in 5 packs

SG48   SCREW & GROMMET MOUNTING KIT   NEW!

SG48 Screw Grommets mount in all ELAN SW enclosures, allowing you to attach other products to the SW grid. Uses standard #6x9/16" type A screws (provided). The kit includes 48 screws and grommets.

F E A T U R E S   &   S P E C S
- Enables you to mount non grid-mount components inside a ELAN SW enclosures
- Kit contains 48 screws and grommets

SL40   SNAP LATCH REPLACEMENT KIT   NEW!

SL40 Snap Latches replace damaged latches on all ELAN SW modules. The kit includes 40 plungers and 40 grommets.

F E A T U R E S   &   S P E C S
- Replaces broken Snap Latches on ELAN SW modules
- Kit contains 40 Snap Latch replacements

TELEPHONE/DATA DISTRIBUTION PRODUCTS

TH31SRG   4-LINE TELEPHONE HUB W/ SURGE PROTECTION   NEW!

Have telephones, modems and fax machines? This is the SW module you'll want to have at the head end of any phone system. The TH31SRG is a 4-line telephone hub with built-in surge protection, a master quick-disconnect/ system test port and an RJ-31X jack for alarm system connection.

F E A T U R E S   &   S P E C S
- 4-line telephone hub
- Surge suppression for all four lines
- Master disconnect/system test port
- RJ-31X for connection to alarm systems
- LED status indicator (1 per telephone line) to warn you of a surge event
- Each line individually surge protected to 50 Joules and 4000 Amps
- RJ-45 and 110 punch-down expansion ports
- RJ-45 jumper included
- Number of grid spaces: 6

DH8   DATA HUB   NEW!
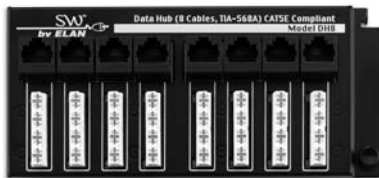
The DH8 is an 8-port data hub with certified 100 Base-T performance. The DH8 features eight RJ-45 jacks for the termination of Cat-5 data lines and eight 110 punch-down connector blocks to route services to wall plates throughout the home.

FEATURES & SPECS

- 8-line data hub
- Certified 100 Base-T performance
- Cat-5 performance in a multi-port hub
- Eight RJ-45 jacks
- Eight 110 punch-down connectors
- Number of grid spaces: 6

DTH8B   BRIDGEABLE DATA / TELEPHONE HUB   NEW!
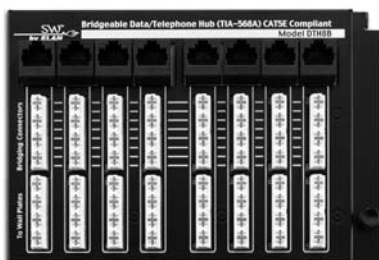
Configurable for both phone and/or data applications, the DTH8B is a certified 100 Base-T 8-port combination data and telephone hub. Eight RJ-45 jacks are available for the termination of Cat-5 data lines, while 110 punch-down connector blocks are used to route services to wall plates throughout the home. Use Cat-5 jumper cables to route services to wall plates in the appropriate rooms. As a telephone hub, the DTH8B can distribute up to 4 lines to 8 telephone wall jacks. The bridging feature allows you to connect any number of jacks together.

FEATURES & SPECS

- Certified 100 Base-T performance
- Cat-5 performance in a multi-port hub
- Terminates eight Cat-5 wires for phone or data
- Two rows of 110 punch-down connectors
- RJ-45 Connectors
- Circuits may be bridged
- Designed to be used with multi-line phone systems
- Number of grid spaces: 9

TH412   RJ-45 TELEPHONE HUB   NEW!
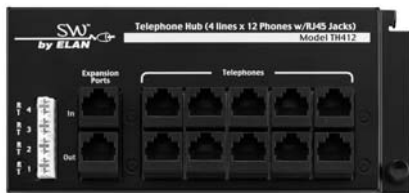
The TH412 features RJ-45 jacks for the termination of up to 12 telephone wall plates. A 110 punch-down connector makes it easy to connect up to 4 incoming telephone lines, and the Expansion Ports allow for the instant connection of additional TH412s if more extensions are needed.

FEATURES & SPECS

- Distributes 4 telephone lines to 12 locations
- 12 RJ-45 jacks for easy connections
- 110 punch-downs for incoming lines
- RJ-45 expansion ports allow for easy connection of multiple TH412s
- Number of grid spaces: 6

TH46 TELEPHONE MASTER HUB NEW!
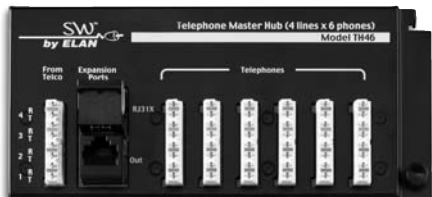
This master telephone service hub accepts up to 4 lines and has 110 punch-down connector outputs for the termination of 6 telephone wall plates. The TH46 also features an RJ-31X for the quick connection of security panels and an RJ-45 expansion port for the addition of a TH48 Telephone Expansion Hub.

FEATURES & SPECS

- Telephone service for 4 lines
- Six 110 punch-down connectors for wall plates
- RJ-31X security panel connection
- Expansion port
- Number of grid spaces: 6

TH48 TELEPHONE EXPANSION HUB NEW!
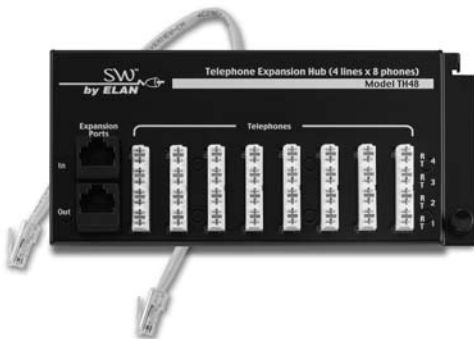
The TH48 is an expansion telephone hub that allows you to add 8 more telephone wall plate connections. A Cat-5 jumper is included for easy connection to the TH46 Telephone Master Hub. An output expansion port lets you add even more TH48s to the system.

FEATURES & SPECS

- Expansion module for the TH46
- Distributes 4 lines to 8 locations
- 110 punch-down connectors
- Cat-5 jumper included for connection to TH46
- RJ-45 expansion port for multiple TH48s
- Number of grid spaces: 6

VTH464 VIDEO/TELEPHONE HUB NEW!

Need a simple means to distribute both RF and telephone? The VTH464 combines a 4-way 1GHz RF splitter/combiner with a 4-line/6-location telephone hub in one module.

FEATURES & SPECS

- Combination Video and Telephone Hub
- 4-way 1GHz RF Splitter/Combiner
- Distributes 4 telephone lines to 6 locations
- 110 punch-down connectors
- Number of grid spaces: 6

TBK2000 — DATA-GRADE TELEPHONE PUNCHDOWN BLOCK

The TBK2000 provides an inexpensive way to terminate and cross-connect Cat-5 communications wire. The unique IDC connectors accommodate two wire punchdowns at each station. This double termination feature allows easy daisy chaining of connections or quick additions to a line.

The connector is EIA/TIA-568 and TSB-40 qualified, rated for data speeds up to 155 MBPS when wired point-to-point.

Available in two versions, the TBK2000L is pre-laced for telephone line distribution. The TBK2000U is unlaced, and can be configured for point-to-point data or telephone system phone extension wiring.

FEATURES & SPECS

- Cat-5 rated for point-to-point twisted pair wiring
- Isolated five pair inputs
- Ten station outputs can accept two wire punchdowns, accommodating up to 18 telephones
- Uses standard 110 punchdown tool
- Available unlaced (TBK2000U) and pre-laced (TBK2000L)
- *Not compatible with SW grid-mount enclosures.*

VIDEO DISTRIBUTION PRODUCTS

VDA38B — 3x8 BI-DIRECTIONAL RF DISTRIBUTION AMPLIFIER

NEW!

The VDA38B is the heart of any RF distribution system. This 3-IN by 8-OUT bi-directional RF distribution amplifier connects as many as 8 televisions to cable or antenna while maintaining optimum signal strength to all TVs. It also has the capability of sending IR down each coax run for control of local TVs or video source components. The VDA38B is perfect for bi-directional cable systems, providing a 5-42MHz back channel for cable modems or interactive set-top boxes.

FEATURES & SPECS

- 3x8 RF distribution amplifier
- Bi-directional – ideal for cable systems, cable modems or interactive set-top boxes
- Transmits IR down coax for local source control (CXIRWP Coax/IR Wall Plate required – see page 67)

SPECIFICATIONS:

Gain:

    CATV/Antenna port to output 3dB

    Modulator input to output ....-10dB

    Output to CATV (reverse) ....-15dB

Isolation ....>35dB

Modulator input to CATV/Ant: ....
    54-1000MHz fwd
    5-42MHz reverse

Max CATV/Antenna input ....
    20dBmV (+85dBuV)

Power supply (included): ....
    15 VDC @ 300mA

Number of grid spaces: 5

connect

VDA38H   3x8 HIGH-HEADROOM RF DISTRIBUTION AMPLIFIER   NEW!

The VDA38H is a 3-IN by 8-OUT High-Headroom RF Distribution Amplifier for antenna or uni-directional cable systems. It offers the highest headroom of any coax panel available on the market. Like the VDA38B, the VDA38H connects as many as 8 televisions to cable or antenna while maintaining optimum signal strength to all TVs. It also has the capability of sending IR down each coax run for control of local TVs or video source components.

F E A T U R E S   &   S P E C S

- 3x8 RF distribution amplifier
- High-headroom for off-air antenna applications
- Transmits IR down coax for local source control (CXIRWP Coax/IR Wall Plate required)

SPECIFICATIONS:

Gain:

CATV/Antenna port to output 3dB

Modulator input to output ....-10dB

Isolation ....>80dB

Modulator input to CATV/Ant: .... 5-1000MHz fwd

Max CATV/Antenna input .... 20dBmV (+85dBuV)

Power supply (included): .... 15 VDC @ 300mA

Number of grid spaces: 5

CXIRWP   COAX/IR WALL PLATE   NEW!

The CXIRWP is a single-gang, Decora®-style wall plate that is used in conjunction with the ELAN SW VDA38B and VDA38H RF Distribution Amplifiers. The VDA38s have a built-in IR engine that transmits IR signals down each run of coax, allowing you to set up a simple IR control system for local sources. The CXIRWP 'breaks out' the IR signal from the coaxial cable and provides 3.5mm jacks for both an IR emitter and IR receiver. The VDA38 supports up to 8 CXIRWP wall plates, one per coax run. IR receivers or emitters may be connected to any or all CXIRWPs.

F E A T U R E S   &   S P E C S

- Breaks out IR from coax for control of local sources
- F connector for video inputs
- 3.5mm 'mini' jacks for IR emitters and receivers
- LED power indicator
- Power supply included

VDA16B 1x6 BI-DIRECTIONAL VIDEO DISTRIBUTION AMPLIFIER

NEW!

The VDA16B Bi-directional Video Distribution Amplifier can route CATV or antenna signals to up to 6 TVs. For maximum flexibility the VDA16B has outputs for 4 short runs and 2 long runs. The VDA16B has a broadband 54-806MHz amplifier and a 5-42MHz reverse channel which is compatible with pay-per-view, interactive cable and cable modems.

FEATURES & SPECS

- 1x6 bi-directional RF amplifier
- Reverse channel compatible with pay-per-view, interactive cable and cable modems
- Independent outputs for long and short cable runs

SPECIFICATIONS:

Typical @ 77°F ± 50°F (25°C ± 5°C)

	Long	Short
Output run distance	150 ft.	75 ft.
Gain:		
CATV/Ant input to TV output	4dB	1dB
TV output to CATV/Ant input (5-42MHZ reverse channel)	-8dB	-12dB

Bandwidth:
    Forward 54-806MHz
    Reverse.....................................5-42MHz

Max CATV/Antenna input
    (64 channels) 20dBmV

Power supply (included): 15 VDC@300mA

Number of grid spaces: 6

VA20B BI-DIRECTIONAL RF AMPLIFIER

NEW!

This bi-directional RF amplifier features 20dB of gain and a 5-40MHz return path, making it ideal for use in distributed CATV systems.

FEATURES & SPECS

- +20dB of gain
- Bi-directional
- 5-40MHz return path
- Power supply included

SPECIFICATIONS:

Bandwidth:

    Forward 54-806MHz
    Reverse.....................................5-40MHz

Max. Output: 30dBmv (90dBuV)

Gain: ....20dB +/- 1.0dB

Power Supply w/ F connector (included): ..
    12VAC

Dimensions:..
    3-1/2" W x 1-1/4" H x 2-1/2" D
    89mm W x 32mm H x 64mm D

Operating Temp: ....32°F to 122°F

Number of grid spaces: 6

VA18   50-1GHz, +18dB RF AMPLIFIER   *NEW!*

The VA18 is a high-power, low-noise, low-distortion RF amplifier that is suitable for all off-air and uni-directional CATV applications as well as VHF (high and low), FM, Midband, Superband, Hyperband, Ultraband and UHF. It features flat response from 50Hz to 1GHz and has a gain of +18dB. The low distortion push-pull circuit design incorporates surface mount and strip line technologies for high reliability and small size. The VA18 comes with a set of mounting ears that allow it to be installed in any ELAN SW grid system.

F E A T U R E S & S P E C S

- Ideal for off-air, uni-directional CATV, VHF, FM, Midband, Superband, Hyperband, Ultraband and UHF
- SW grid mounting ears included
- Small footprint/high reliability
- For indoor use only

SPECIFICATIONS:

Gain: 18dB

Bandwidth: 50MHz-1GHz

Flatness: ....+/- 1.5dB

Max output @ all freqs:
    6 channels..................................48dBmV
    12 channels...............................45dBmV
    24 channels...............................42dBmV
    48 channels...............................39dBmV
    Noise figure: 5.5dB

Power supply (included): ....
    15 VDC @ 600mA

Number of grid spaces: 10

VH4   4-WAY VIDEO HUB   *NEW!*

The VH4 is a bi-directional 4-way Splitter/Combiner with a 1GHz bandwidth mounted on an ELAN SW grid-compatible bracket.

F E A T U R E S & S P E C S

- Splits 1 signal to send to 4 coax runs
- Combines 4 signals onto 1 coax run

SPECIFICATIONS:

Bandwidth: 1GHz

-130dB RFI rejection

Insertion loss: 9.0dB

Number of grid spaces: 6

VH8   8-WAY VIDEO HUB   *NEW!*

The VH8 is a bi-directional 8-way Splitter/Combiner with a 1GHz bandwidth mounted on an ELAN SW grid-compatible bracket.

F E A T U R E S & S P E C S

- Splits 1 signal to send to 8 coax runs
- Combines 8 signals onto 1 coax run

SPECIFICATIONS:

- Bandwidth: 1GHz
- Insertion Loss: 12.0dB

Number of grid spaces: 5

CAT5MOD

SINGLE-CHANNEL CAT-5 MODULATOR

NEW!

The CAT5MOD is a dual-purpose module. It can be used as a simple single-channel modulator for any video source, or it can be used to receive both audio and video signals from a remotely located source down a single run of Cat-5 wire and distribute those signals to any TV or monitor (CAT5AVWP required – see below).

F E A T U R E S & S P E C S

- Single-channel modulator
- Converts Cat-5 video and audio signals to line-level for distribution
- RCA jacks for direct connection of A/V component
- RCA jacks can be configured as Inputs or Outputs
- CAT5 Audio/Video Wall Plate (CAT5AVWP) sold separately
- Number of grid spaces: 5

Specifications: typical @ 25°C ± 5°C			
Inputs (Ports)	Video	1 Vp-p @ 75 Ω	
	Video termination (switch selectable)	75 Ω in normal mode (NORM) >1MΩ in loop through mode (LOOP)	
	Audio	1 V rms @ 47k Ω L & R inputs combined for monaural	
Video Performance	Differential gain	4%	
	Differential phase	<4°	
	Signal/noise	55dB	
RF Output	Standard	UHF	CATV
	Channel ranges	14-64	65-125 (excluding 95-99)
	Output level	+25dBmV (+85dBuV)	
	IM distortion	-60dBC	
	Alternate channel	-45dBC @ 12MHz	
Power Supply	Output current	600mA	
	Output voltage	15 VDC	
	Input power	105-125 VAC	

CAT5AVWP

CAT-5 AUDIO/VIDEO WALL PLATE

NEW!

The CAT5AVWP provides an easy way to send the video and audio of a local source (i.e. a DSS receiver or DVD player in a bedroom) back to the 'head end' where it can then be distributed around the home. The CAT5AVWP connects to the ELAN CAT5MOD, a single-channel modulator that uses a single run of Cat-5 wire in lieu of standard coax.

Note: The CAT5AVWP is not a standalone video interface. Use only with CAT5MOD Single-Channel Modulator.

F E A T U R E S & S P E C S

- Sends local source audio and video down Cat-5 wire to the CAT5MOD
- Switchable 75 Ohm or Hi-Z termination and loop-through capability
- Single-gang, Decora®-style wall plate
- Available in White only

SPLITTERS / COMBINERS

The ELAN SW line of bi-directional 2-, 4- and 8-way Splitter/Combiners provide a 1GHz bandwidth and are ideal for antenna and coaxial cable operations. The splitter/combiner is one product that can be used for two applications. It can be used to split a signal from a source or combine signals from multiple sources onto one coax run.

SPL8   NEW!

8-WAY SPLITTER/COMBINER

Replaces VDS2000

F E A T U R E S   &   S P E C S

- Splits 1 signal to send to 8 coax runs
- Combines 8 signals onto 1 coax run

SPECIFICATIONS:

Bandwidth: 1GHz

-130dB RFI rejection

Insertion Loss:..................................12dB

SPL4   NEW!

4-WAY SPLITTER/COMBINER

Replaces VDS400

F E A T U R E S   &   S P E C S

- Splits 1 signal to send to 4 coax runs
- Combines 4 signals onto 1 coax run

SPECIFICATIONS:

Bandwidth: 1GHz

-130dB RFI rejection

Insertion Loss:....................................9dB

SPL2   NEW!

2-WAY SPLITTER/COMBINER

Replaces VDS200

F E A T U R E S   &   S P E C S

- Splits 1 signal to send to 2 coax runs
- Combines 2 signals onto 1 coax run

SPECIFICATIONS:

Bandwidth: 1GHz

-130dB RFI rejection

Insertion Loss:....................................4dB

SW WALL PLATES

ELAN SW Wall Plates are designed for fast and simple connections of multiple telephone lines, data networks and video distribution systems. The Cat-5e data ports are compliant with TIA/EIA 568-A wiring standards for residential use. When properly installed, the jacks are designed for data transmissions in 10/100 Base-T systems and are ideal for high-speed Internet access from cable and DSL modems. The RJ-25 telephone ports are designed to handle up to 4 lines for connecting telephones, modems and fax machines. Individual phone lines will break out on separate jacks. All SW Wall Plates are of a single-gang Decora®-compatible design. Our SW Home Theater Wall Plates facilitate the trim-out of in-wall speaker wire runs in a Home Theater with neat, clean terminations.

SWDD

DUAL DATA WALL PLATE   NEW!

F E A T U R E S   &   S P E C S

- 2 Cat-5e RJ-45 data ports connectors in for quick termination and installation.
- Available in Almond (a), Ivory (i) and White (w)

SWDP

DATA/PHONE WALL PLATE   NEW!

F E A T U R E S   &   S P E C S

- 1 Cat-5e RJ-45 data port
- 4 RJ-25 telephone jacks that break out each line to an individual jack
- Available in Almond (a), Ivory (i) and White (w)

SWPC

PHONE/COAX WALL PLATE *NEW!*

F E A T U R E S   &   S P E C S

- 4 RJ-25 telephone jacks that break out each line to an individual jack
- 2 knock outs for coax barrel connectors (included)
- Available in Almond (a), Ivory (i) and White (w)

SWPDC

PHONE/DATA/COAX WALL PLATE *NEW!*

F E A T U R E S   &   S P E C S

- This one does it all . . .
- 2 RJ-25 telephone jacks that break out each line to an individual jack
- 1 Cat-5e RJ-45 data port
- 2 knock outs for coax barrel connectors (included)
- Available in Almond (a), Ivory (i) and White (w)

HTWP700   HOME THEATER WALL PLATE

Updated for 7.1 Surround Sound Connections! Formerly HT2000

A best-seller for years, the HTWP700 (formerly the HT2000) has been redesigned for compatibility with 5.1, 6.1 and 7.1 surround sound systems. This double-gang wall plate features eighteen 5-way gold plated speaker binding posts for the connections of front, rear, surround, and center channels. Connections for both passive and powered subwoofers are also provided.

F E A T U R E S   &   S P E C S

- A quick, easy and professional-looking way to dress home theater speaker wire runs
- Gold-plated speaker binding posts for the connection of 5.1, 6.1 and 7.1 surround sound systems
- Powered and passive subwoofer connections
- Fits in a standard 2-gang box
- Available in white only

HTWP200 / HTWP100

DUAL SPEAKER WALL PLATE / SINGLE SPEAKER WALL PLATE

The HTWP200 *(formerly HT500)* and HTWP100 *(formerly HT100)* provide an attractive way to connect house wiring to individual freestanding speakers or passive subwoofers. Gold-plated, color-coded binding posts accept up to 6AWG wire, spade lugs or banana jacks. The unobtrusive Decora®-style insert design fits in a single-gang box.

F E A T U R E S   &   S P E C S

- Gold-plated binding posts
- Red and black color coded
- Decora®-style single-gang insert
- Available in White only

HTWP200   HTWP100

MUSIC AND COMMUNICATIONS

MAC24   MUSIC AND COMMUNICATIONS CENTER

Updated for grid-mount enclosures! Formerly AV-L2

MAC stands for Music And Communications. 24 is the number of speakers you can connect to this amazing little amp to broadcast Music And Communications throughout the home. The MAC24 builds on tried and true technology while adding must-have features not available on any other system of its kind. ELAN offers a true audio distribution system that not only fits into an in-wall wire management center, but enhances a homeowner's lifestyle with built-in intercom features such as: whole-house paging, phone-to-phone intercom, door station communications and more.

The MAC24 is a true "bridging" stereo amplifier. Complimentary left and right audio signals are present on each of four outputs. This unique design allows simultaneous connection of both stereo pairs and monaural single speakers (up to

24 speakers total!) and is ideal for background music, paging, and door chime applications. This feature, coupled with the RCA line level outputs (to additional amplifiers for higher power listening areas), provides maximum flexibility in designing whole-house audio distribution systems.

The MAC24 includes "pro-audio" signal processing circuitry. A custom loudness EQ curve and rumble filter provide richer, fuller sound with in-wall speakers. "Clip-Proof" audio compressors guarantee clean, clear music.

ELAN's patented intercom and door chime features are built right in to the MAC24. Audio will automatically mute when the telephone rings. Paging from a telephone handset, or activation of either of its two door chimes, will mute the music and then be broadcast over the speakers. Band-limited paging inputs ensure consistent, intelligible pages with any voice over any touch-tone phone. 12VDC control signals are also available to power ELAN's patented Volume Controls with Override.

Built-in IR pass-through connections support up to 4 IR receivers and 4 IR emitters. No external IR connecting blocks are required.

The MAC24 is compatible with most telephone systems and local Call Waiting/Caller ID services. It allows continuous phone service in the event of a power outage, and is FCC Part 68 Approved.

The MAC24 should only be used with the following ELAN Volume controls:

- VSO Stereo Volume Control with Override
- VMO Mono Volume Control with Override
- VS Standard Stereo Volume Control

Use of volume controls other than those stated above will lower the total number of speakers that can be connected to the MAC24 and may cause damage to the audio amplifier section. Additionally, ELAN volume controls with the Override feature are required to ensure that Page and Door chimes are heard even if the volume controls are turned all the way down.

F E A T U R E S   &   S P E C S

- Cost-effective multi-room audio and communications
- Connect up to 24 speakers
- Whole-house Paging and Door Chimes, Door Station Communication, Phone-to-Phone Intercom and more
- Uses homeowners existing stereo receiver and touch-tone telephones
- Custom Loudness EQ curve
- Clip-Proof audio circuitry
- Line-level output jacks for adding on additional rooms of music and communications
- Built-in Powered IR connecting block and emitter driver
- Mounts in SW enclosures E36, E18 and E32 with G32 grid
- TELEPHONE CONTROL FEATURES:
  Whole House Page: ....#, P
  Music Mute: ....#, M
  Front Door Access:...........................#, D
  Gate Latch Activation: ....#, D, 0
  Caller on Hold:.................................#, H
  Phone to Phone Intercom:............#, P, 0
  Page & hang up, caller still on hold
  Door chimes:
  Doorbell # 1 ....3 note chime
  Doorbell # 2 ....2 note chime
- INCLUDES:
  Grid-mounted MAC24 Music & Communications Center

  MAC24IWP Music Input Wall Plate for connecting source components to the system

  Three-outlet power strip for SW power cubes and other accessories

SPECIFICATIONS:

Output Power: ....48 WPC RMS into 8 Ohms, 68 WPC peak music power

Maximum speaker load: Four 8-Ohm stereo pairs with 8X volume controls and eight 8-Ohm monaural speakers with 16X volume controls (24 total)

Freq. Resp: ....20–20KHz, +/-1.5 dB

Loudness EQ contour: .... +3dB @ 100Hz and 10KHz

Signal to Noise Ratio: 92dB

THD + Noise: ....< 0.02%

Stereo Separation: ....> 80dB

Line Level Outputs: ......0dB gain, flat EQ, page and doorbell summed in

Power Consumption: ....120Vac @ 1A

House phone battery voltage: 24VDC

C.O. Access Lines: ....1 per system

ETL® Listed

Number of grid spaces: .... 25 X 2 rows (50 Total)

The MAC24 should only be used with the following ELAN Volume controls:
- VSO Stereo Volume Control with Override
- VMO Mono Volume Control with Override
- VS Standard Stereo Volume Control

MAC24IWP   MUSIC INPUT WALL PLATE
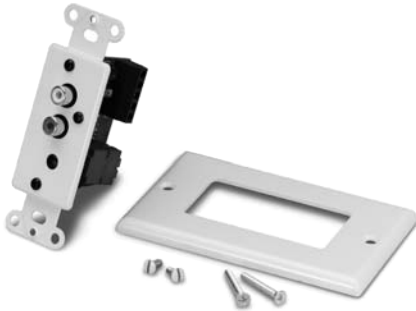
The MAC24IWP Music Input Wall Plate is the interface between the homeowner's stereo equipment and the MAC24 Music and Communications Center.

This powered wall plate has 10dB of gain to boost the audio signal (improving the signal-to-noise ratio) before it's sent to the amplifier. This ensures that high-quality audio is heard throughout the house, even if the stereo is located up to 200 feet away from the MAC24.

F E A T U R E S & S P E C S

- Locate source components up to 200' away from MAC24
- Active audio input buffer circuit

SPECIFICATIONS:

Input level: ....0 – 2 Vp-p

Gain: ....10dB, adjustable

Frequency Response: ....
+/- 0.5dB, 20 – 20kHz

THD + Noise: ....< 0.005%

White Decora® insert and frame included

MAC24MS   MUSIC MUTE SWITCH

The MAC24MS Music Mute Switch allows the homeowner to mute music while still maintaining page and doorbell operation.

Push button operation with green LED indicates when the music is on or muted.

Up to four Music Mute Switches can be used per MAC24 Music Communications Center.

F E A T U R E S & S P E C S

- Slim-line momentary push button Switch
- LED indicates music status of the system
- Packed with both white and ivory Decora®-style inserts and buttons

complete

Complete your systems with a wide assortment of ELAN accessories. In addition to high-quality audio, video and RJ-45 interconnect cables, ELAN offers the most unique and indispensable trim-out solutions in the world of custom A/V.

PS12   SYSTEM12 PRECISION PANEL   NEW!
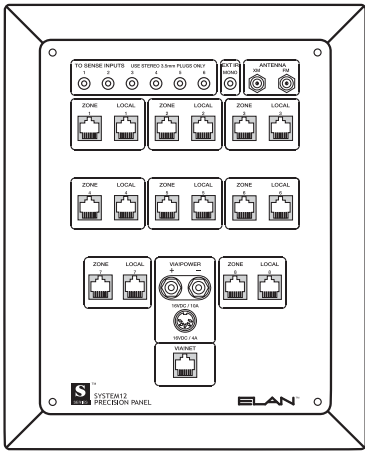
The PS12 Precision Panel isn't just a convenient trim-out solution for the System12 (S12). With more sources, more zones and more built-in features than any other ELAN multi-room controller to date, the number of wire runs and systems connections needed to get everything up and running smoothly makes the PS12 a necessity.

The rear panel of the PS12 features a neatly laid out array of all the 110 punch-downs necessary to ensure the quick, reliable connection of keypads, touch panels and local sources in every zone. There are also

dedicated punch-down connectors for six ELAN™SENSE sensors and VSE Electronic Volume Control IR signals. A clearly labeled overlay shows you both the color-code and function of every connection. There's even RJ-45 jacks on the rear of the panel for an easy link to a VIA!® SC4 System Controller or the new VIA!®2-SS1 System Station.

The PS12's front panel provides RJ-45 jacks for the instant connection of keypads, touch panels and local sources in every zone to the back of the S12 controller. Use ELAN C4545 one or two meter RJ-45-to-RJ-45 interconnect cables for reliable connections every time. Six Sense Input jacks use stereo 3.5mm 'mini-to-mini' interconnect cables to go directly to the Sense Inputs on the S12. The front panel also features DC power jacks for 4A and 10A VIA!® power supplies and two antenna connectors for the easy connection of rooftop antennas to the ELAN DTNR Digital Dual Tuner or any other tuner you may have in the system.

The front panel of the PS12 is removable, making all your rear-panel punch-downs easy. New-construction brackets are available, or the PS12 can easily be retro-fitted using the four clamping legs attached to the frame, which clamp the panel securely to drywall.

FEATURES & SPECS

- Precision panel for the System12 Multi-Room A/V Controller
- 110 punch-down connectors for all system keypads, touch panels, local sources and sensors
- Clearly labeled overlay denotes both color-code and function
- Front panel RJ-45 jacks for plug 'n play connections to the S12
- VIA!® DC power jacks
- 2 antenna jacks for system tuners
- Removable front panel for easy rear panel connections
- PBKT6P Rough-In Brackets available in packages of 6

Dimensions:

Wall cutout: ....8" W x 10-1/2" H
204mm W x 267mm H

Installed with frame: ......9-3/4" W x 12" H
248mm W x 305mm H

Additional panels would be required for systems with two, three or four S12s.

The bottom line - using PS12 Precision Panels results in a first-class, problem-free, professional trim-out of even the largest S12 systems.

PZ600   Z•600 PRECISION PANEL   NEW!
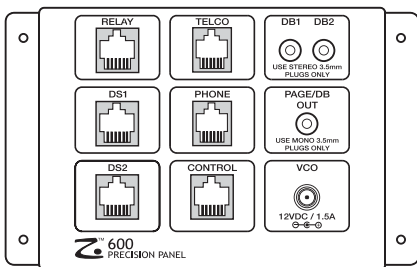
The PZ600 Precision Panel facilitates the connection of telephone service, page, doorbell and override signals, relays and door stations to the Z•600 Communications Controller and ELAN S Series multi-room controllers.

The PZ600 is one of ELAN's new 'half-frame' Precision Panels. Two 'half-frame' panels can be mounted in one standard-size Precision Panel frame, giving you the flexibility to mix and match the Precision Panels you need to complete a neat, problem-free trim-out.

The back of the PZ600 features standard 110 punch-downs for the connection of incoming telephone service, two ELAN door stations, four relays and eight volume control override signals. There's also an RJ-45 jack for a quick and easy link to the new PVSE Electronic Volume Control Precision Panel.

The front panel of the PZ600 has RJ-11 jacks for Telco and Phone, and RJ-45 jacks for Relays, Override Control and two Door Stations. All just plug right into the back of the Z•600 Communications Controller. Doorbell one and two ELAN™SENSE jacks are also provided for easy connection to System12 (S12) or System6 Sense Inputs, as is a Page/Doorbell Out jack for connection to the S12. A front panel DC power jack allows you to connect an ELAN power supply if using multiple volume controls with override.

FEATURES & SPECS

- 1/2-frame precision panel for the Z•600 Communications Controller
- 110 punch-down connectors for telephones, override, relays and door stations
- Clearly labeled silkscreen for error-free terminations
- Front panel RJ-45/RJ-11 and 'mini' jacks for plug 'n play connections to the Z•600, S12 and S6
- DC power jack for powering additional volume controls with override
- PWR12 12V, 2A power supply included
- Fits in PF2 Precision Panel Frame (required for installation, see pg. 82)

PVSE VSE ELECTRONIC VOLUME CONTROL PRECISION PANEL NEW!
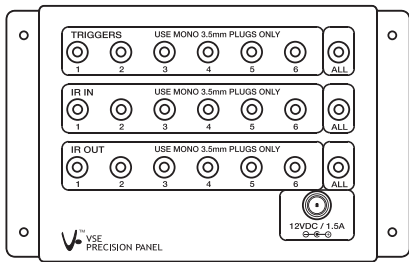
The PVSE Precision Panel makes it easy to connect up to six VSE Electronic Volume Controls to any ELAN system, and is also the perfect trim-out solution for VSEs in any stand-alone system.

The PVSE is one of ELAN's new 'half-frame' Precision Panels. Two 'half-frame' panels can be mounted in one standard-size Precision Panel frame, giving you the flexibility to mix and match the Precision Panels you need to complete a neat, problem-free trim-out.

The back of the PVSE features six clearly labeled 110 punch-down blocks that provide independent connections for Override, IR and Sense; plus two additional punch-down connectors for easy routing of VSE IR signals to the new System12 Precision Panel (PS12). Two RJ-45 jacks on the rear of the panel make it easy to route override signals from the new PZ600 Communication Controller Precision Panel, and to link multiple PVSE panels together. There's also a bank of six dipswitches that allow you to turn the front-panel VSE-specific IR Out ports into 'ALL' ports. In stand-alone applications, this allows all six VSEs to control any or all sources.

The PVSE's front panel was designed with stand-alone applications in mind. Six +12VDC trigger inputs, plus a trigger 'ALL' port, allow you to mute any or all VSEs whenever voltage is not present. Six IR inputs, plus an 'ALL' port, allow an SR1 Sense/Relay/IR Controller to independently control VSEs connected to the panel. Six IR OUT ports, plus an IR OUT 'ALL' port, allow each or all VSEs to control source components in a stand-alone system.

The VSEs are powered by an ELAN PWR12 +12VDC, 2A Power Supply (included).

FEATURES & SPECS
- 1/2-frame Precision Panel for 6 VSE Electronic Volume Controls
- Easy to interface with PS12 and PZ600 Precision Panels
- Multiple PVSEs can be linked together
- 110 punch-down connectors with clearly labeled silkscreen for error-free terminations
- Front panel trigger, IR IN/OUT jacks for stand-alone applications
- PWR12 12V, 2A power supply included
- Fits in PF2 Precision Panel Frame (required for installation, see pg. 82)

PV12 VIDEO PRECISION PANEL NEW!

The PV12 Video Precision Panel provides you with a clean and easy way to connect up to 12 runs of coaxial cable for composite and component video to the System12 A/V Controller or Z•880 Video Controller.

Eight gold-plated F-to-RCA barrel connectors are mounted on flanges angled at 45º.

The angled flanges ensure that all your coax runs slide easily back into the wall after termination, and that the cables are not bent past their specified limits, which can cause damage resulting in signal loss.

The PV12 is one of ELAN's new 'half-frame' Precision Panels. Two 'half-frame' panels can be mounted in one PF2 Precision Panel Frame, giving you the flexibility to mix and match the Precision Panels you need to complete a neat, problem-free trim-out. One PV12 can accommodate all 8 video outputs of a Z•880 Video Controller. Two PV12s can be mounted in one frame to accommodate the 16 video outputs of the System12.

FEATURES & SPECS
- 1/2-frame Video Precision Panel
- 12 F-to-RCA connectors
- Angled flanges for easy and safe coax wire management
- Perfect for use with S12 A/V Controller and Z•880 Video Controller
- Fits in PF2 Precision Panel Frame (required for installation, see pg. 82)

PZ6 Z•SERIES PRECISION PANEL
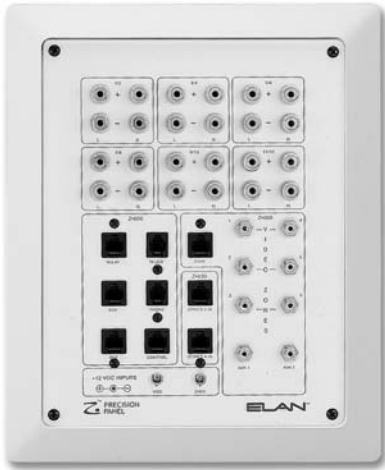
The PZ6 makes wiring a Z• system easy! The front of this innovative panel has jacks for the instant connection of all Z•Series components, while the back is fitted with

clearly marked punch-down connectors for all your house wire runs, including keypads, door stations, relays, telephone and volume controls. The PZ6 also makes all the inter-connections between Z•Series components for you.

To top it all off, there's a dedicated punch-down block on the back that makes interfacing with any of the VIA! wall plates (PVIA1, PVIA4, PVIA10) a breeze!

The PZ6 includes six zones of speaker connec-tions with gold-plated binding posts as well as eight RCA-to-F video connections for Z•880 composite video signals. Volume Control Override and Z•025 DC inputs are also provided. The removable front panel makes punching down all your connections easy. The result is a first-class, error-free trim-out.

Use two PZ6s for up to 12 zones of Z•Series connections.

F E A T U R E S   &   S P E C S
- Front Panel RJ-45 jacks for: Two Z•630 Multi-Room Controllers, Z•880 Video Controller, Z•600 Communications Controller
- VCO and Z•025 external power supply inputs
- 6-Pair gold-plated binding post connections to Z•660
- 8 RCA to F adapters for Z•880 video outputs
- Cat-5 color-coded overlay for easy punchdown connections
- VIA! wall plate interconnects
- Punch-down caps (included) prevent wires from accidentally pulling free

Dimensions:

Wall Cutout ....8" W x 10-1/2" H
204mm W x 267mm H

Installed with Frame ......9-3/4" W x 12" H
248mm W x 305mm H

PBKT6P Rough-In Brackets Available in Pkgs. of 6 (see pg. 82)

PZ6BX Z•SERIES PRECISION INTERFACE BOX

Scaled down to fit in a box that can be mounted just about anywhere, the PZ6BX Precision Interface Box has all the features of the PZ6 Precision Panel except for the speaker binding posts and video barrel connectors. Use two PZ6BXs for up to 12 zones of Z•Series connections.

F E A T U R E S   &   S P E C S
- Provides quick, error-free trim-out of Z• Systems
- Mounts almost anywhere
- Color-coded overlay for error-free connections
- Punch-down caps (included) prevent wires from pulling free

PZ6RM Z•SERIES PRECISION PLATE
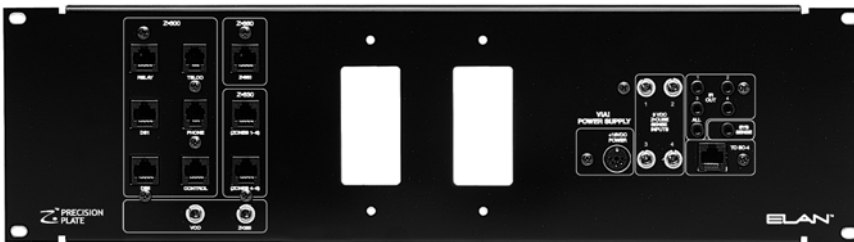
This rack-mount version of the PZ6BX has an extra added feature—a built in PVIA4 wall plate. Now, from one three-rack-space panel you can terminate a six zone Z• System, all your Z•Series components, and power up to four VIA!® Touch Panels.

The PZ6RM also includes two Decora®-sized cutouts that allow you to add two wall plates for other system termination needs.

Use two PZ6RMs for up to 12 zones of Z•Series connections.

F E A T U R E S   &   S P E C S
- Three-rack-space Precision Panel for quick Z• system connections
- Color-coded overlay for error-free terminations
- Punch-down caps (included) prevent wires from pulling free
- Power up to four VIA! Touch Panels with built-in PVIA4 (see pg. 80)

- PVIA4 power supply included

PHD12 HD SERIES PRECISION PANEL

The PHD12 has everything you need to complete a first-class 12-zone HD preamp installation including front panel jacks for 12 keypads, Telephone In and Out, Door Station, RS-232, Relay, Sense, VCO and Z•025 power inputs as well as 10 RCA-to-F connectors. Clearly labeled rear panel punch-down connectors ensure reliable wire terminations. Cross-connect punch-downs to VIA! wall plates make easy integration of VIA!® Touch Panels into the system. The paintable frame has clamping legs and a removable front panel for easy installation. Use two of these plates for a 24-zone HD system trimout.

FEATURES & SPECS

- 12 RJ-45 jacks for zone card to keypad interfaces
- Telephone, Door Speaker, VCO and Z•025 Connectors
- RS-232 and relay/sense connector
- 10 RCA-to-F video connectors
- Punch-down caps (included) prevent wires from accidentally pulling free

Dimensions:

Wall cutout ....8" W x 10-1/2" H
204mm W x 267mm H

Installed with frame ......9-3/4" W x 12" H
248mm W x 305mm H

PBKT6P Rough-In Brackets Available in packages of 6 (see pg. 82)

PHD12BX HD SERIES PRECISION INTERFACE BOX

Scaled down to fit in a box that can be mounted just about anywhere, the PHD12BX Precision Interface Box has all the features of the PHD12 Precision Panel except for the video barrel connectors.

Use two PHD12BXs for a 24-zone HD system trim-out.

FEATURES & SPECS

- Provides quick, error-free trim-out of HD systems
- Mounts almost anywhere
- Color-coded overlay for error-free connections
- Punch-down caps (included) prevent wires from pulling free

PHD12RM HD SERIES PRECISION PLATE

Yet another option for a first-class trim-out! The PHD12RM gives you all the features of the PHD12BX plus a built-in PVIA4, enabling you to power up and route data from four VIA!® Touch Panels—all in one three-rack-space plate!

Use two PHD12RMs for up to 24 zones of quick and easy, error-free HD Series connections.

FEATURES & SPECS

- Three-rack-space Precision Plate for quick HD system terminations
- Color-coded overlay for error-free connections
- Punch-down caps (included) prevent wires from pulling free
- Power up to 4 VIA! Touch Panels with built-in PVIA4 (see pg. 80)

- PVIA4 power supply included

complete

PVIA10 — VIA!® TEN-ZONE PRECISION PANEL & POWER SUPPLY

The PVIA10 provides power for up to 10 VIA!® Touch Panels as well as interconnects to the SC4 System Controller, the SR1 Sense/Relay/IR Controller and ELAN Z• or HD System Precision Panels.

Front panel RJ-45 serial interface ports allow for instant connection to the SC4 and the SR1 controllers.

Cat-5 punch-down connectors on the back of the panel ensure reliable wiring network terminations for up to ten VIA! Touch Panels and cross-connects to Z• or HD Precision Panels. The paintable frame has clamping legs and a removable front panel for easy installation.

FEATURES & SPECS
- 10 VIA! Touch Panel Interface
- RJ-45 Serial interface ports provide a link to the SC4
- Punch-down cross connects on the back provide an easy link to Z• or HD interface panels
- 16V, 10A power supply and banana plug interconnect included
- Punch-down caps (included) prevent wires from accidentally pulling free

Dimensions:

Wall Cutout ....8" W x 10-1/2" H
204mm W x 267mm H

Installed with frame ......9-3/4" W x 12" H
248mm W x 305mm H

PBKT6P Rough-In Brackets available in Quantities of 6 (see pg. 82)

PVIA4 — VIA!® FOUR-ZONE WALL PLATE & POWER SUPPLY

In ELAN S6, Z• or HD systems where up to four VIA!® panels are needed, the PVIA4 provides power, routing and an easy connection to either the PZ6 or PHD12 Precision Panels.

In standalone systems, this four-zone, double-gang wall plate can power up to four VIA! panels, as well as route data and video to create a four-zone VIA!-controlled system with independent IR routing.

FEATURES & SPECS
- Can power up to 4 VIA! Panels
- 4 zone-specific IR emitter output ports
- 2 IR 'ALL' ports
- 4 RCA-to-F barrel connectors
- 4 Sense Inputs
- SC4 System Controller input
- Punch-down caps (included) prevent wires from accidentally pulling free
- 16VDC, 4A power supply included
- Fits in standard two-gang box

PVIA1 — VIA!® SINGLE ZONE WALL PLATE & POWER SUPPLY

This single-gang Decora®-style wall plate provides power, IR and video routing for a single VIA!® panel.

It connects easily to any ELAN S6, Z• or HD system where a single VIA! panel is needed, or can be used to power a VIA! panel in a standalone system.

FEATURES & SPECS
- 1 IR emitter output port
- 1 sense input
- 1 RCA-to-F video connector
- 16VDC, 1.2A power supply included
- Single-gang Decora® design

PSP12 SPEAKER PRECISION PANEL

This ELAN Speaker Precision Panel is the logical solution for connecting speakers in every room to amplifiers back at the head end.

Twelve pairs of gold-plated binding posts provide the professional finishing touch to any multi-room audio distribution system. The paintable frame has clamping legs and a removable panel for easy installation.

The PSP12 is the perfect compliment to the PS12 and PHD12 Precision Panels and ELAN's new 12- and 16-channel Digital Power Amplifiers (D1200, see page 23, D1650, see pg. 22).

FEATURES & SPECS
- 12 pairs gold-plated, color-coded binding posts
- Accepts up to 12 AWG wire, spade lugs or banana plugs (Try ELAN BJACK banana plugs! See pg. 00)
- A must for multi-room speaker terminations

Dimensions:

Wall Cutout ....8" W x 10-1/2" H
204mm W x 267mm H

Installed with frame ......9-3/4" W x 12" H
248mm W x 305mm H

PBKT6P Rough-In Brackets available in Pkgs. of 6 (see pg. 82)

PSP6 SPEAKER PRECISION PANEL   *NEW!*

The PSP6 Speaker Precision Panel is the neat and easy way to connect in-wall wire runs from up to 6 pair of speakers (12 speakers total) to a system's amplifiers.

One of ELAN's new 'half-frame' Precision Panels, the PSP6 features 6 pair of gold-plated binding posts that accommodate up to 12-gauge wire, banana plugs and spade lugs on both sides of the panel.

Two 'half-frame' panels can be mounted in one PF2 Precision Panel Frame, giving you the flexibility to mix and match the Precision Panels you need to complete a problem-free trim-out.

Perfect for use with the Z•660 6-channel power amplifier.

FEATURES & SPECS
- 1/2-frame Speaker Precision Panel
- Connect up to 6 pair of speakers
- Gold-plated, 5-way binding posts
- Fits in PF2 Precision Panel Frame (required for installation—see pg. 82)

PMP6 MODULAR PRECISION PANEL

Dealers who need a professional termination option for modular connection plates finally have a solution: The PMP6 Modular Precision Panel.

The PMP6 can organize six Decora®-style modular plates. So whether it's RJ, coax or RCA—or ELAN single-gang wall plates such as the PVIA1 or HTWP100—the PMP6 can handle it.

The panel can be easily retro-fitted or used in new construction with PBKT6 rough-in brackets.

FEATURES & SPECS
- Provides a clean, professional solution for trim-outs
- Holds six Decora®-style modular wall plates
- Easy to retrofit
- New construction rough-in brackets available (PBKT6)—see pg. 82

Dimensions:

Wall Cutout ....8" W x 10-1/2" H
204mm W x 267mm H

Installed with frame ......9-3/4" W x 12" H
248mm W x 305mm H

PF2 PRECISION PANEL FRAME NEW!

The PF2 accommodates any two of the new '1/2-frame' Precision Panels (PZ600, PVSE, PV12, PSP6). The kit includes a full-size Precision Panel frame, an insert with pre-drilled holes for the mounting of two '1/2-frame' Precision Panels, mounting screw, and a blank '1/2-frame' plate to cover any unused half of the frame. New-construction brackets are available, or the PF2 can easily be retro-fitted using the four clamping legs attached to the frame, which clamp the panel securely to drywall. The PF2 is required for the installation of all '1/2-frame' Precision Panels.

FEATURES & SPECS
- Frame and insert for installing two '1/2-frame' Precision Panels
- Blank '1/2-frame' plate and mounting screws included
- PBKT6P Rough-In Brackets available in packages of 6
- The PF2 is required for the installation of all '1/2-frame' Precision Panels

Dimensions:

Wall Cutout ....8" W x 10-1/2" H
204mm W x 267mm H

Installed with frame ......9-3/4" W x 12" H
248mm W x 305mm H

PBKT6P PRECISION PANEL ROUGH-IN BRACKETS
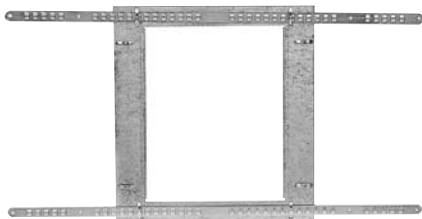
The rough-in bracket for all full-sized Precision Panels, the PBKT6P looks a lot like a speaker rough-in bracket because it once was. A sliding frame on metal straps adjusts to any location between the studs, ensuring perfect alignment.

FEATURES & SPECS
- 20-gauge steel frame
- Router-friendly
- For use with PS12, PZ6, PHD12, PVIA10, PSP12, PMP6 Precision Panels and PF2 Precision Panel Frame
- Available in packages of 6

LSWP SYSTEM12 LOCAL SOURCE WALL PLATE KIT NEW!

Audio and IR are transmitted over a single run of Cat-5 cable to the local source RJ-45 jacks on the S12. Balanced differential line drivers ensure noise-free audio from sources located up to 300 feet from the S12. An IR OUT jack on the wall plate allows you to plug in an IR emitter (included) for control of the source from that zone's keypad or touch panel.

Up to eight Local Source Wall Plates, one for each zone, can be connected to an S12. Systems with more than one S12 (and you can link up to four of them!) can accommodate eight LSWPs per S12.

Designed for use with the System12's eight Local Source Inputs, the LSWP sends audio from any local source (i.e. a CD player in the Master Bedroom) back down to the S12, and IR control signals from the S12 back to the local source.

Kit includes:
- (1) Local Source Wall Plate
- (1) IR Emitter
- (1) 1-Meter Stereo Interconnect Cable
- (1) Leviton® Frame

FEATURES & SPECS
SPECIFICATIONS:

Input Level: ....0 – 2V RMS

Gain: ....+1dB at Source plate,
-1dB at S12, 0dB total

Frequency Response: ....20Hz to 20kHz,
+/-0.5dB

THD + Noise: ....<0.01%

IR Output Level: ....+12V

IR Bandwidth: 100kHz

Wire Requirements:
(Audio/IR) Cat-5

(Video) ....RG-6 Coax

Style: ....White Decora® only

IRAVWP   IR/AUDIO/VIDEO WALL PLATE KIT

With the IRAVWP, any audio/video source in any multi-room system can be located anywhere in the house.

The IRAVWP sends audio and video from any remotely-located A/V source (i.e. a DVD player in the Master Bedroom) back down to the head end, and IR control signals from the head end back to the remotely-located source.

Audio and IR are transmitted over a single run of Cat-5 cable. Balanced differential line drivers ensure noise-free audio from sources located up to 300 feet from the head end. IR IN and OUT ports on each plate allow for system-wide control of each source. An RCA-to-F video connector sends video back to the system over RG-6 coaxial cable.

Kit includes:
- (1) Source Wall Plate
- (1) System Wall Plate
- (1) IR Emitter
- (1) IR Interconnect Cable
- (2) 1-Meter Stereo Interconnect Cables
- (2) 1-Meter Video Interconnect Cables
- (2) Leviton® Frames
- (1) +12VDC Power Supply

RCA INTERCONNECT CABLES

ELAN high-quality cables provide the perfect interconnect between audio, video and system components. These cables are constructed with molded strain relief gold plated RCA plugs, yet sold at a very affordable price! Each cable available in packages of 6.

CZY
10" "Y" CABLE
Just what's needed for combining left and right zone or amp loop outputs for mono applications in S, Z• or HD systems.

CZP
15" STEREO INTERCONNECT CABLE
Not too short, not too long. The CZP is now 15" - ideal for routing source audio from one ELAN controller to another in expanded S12 or Z•630 systems. Also great for Z• system component interconnects.

CZP1
1-METER STEREO INTERCONNECT CABLE
The preferred cable for most audio source connections. Also great for local source-to-local source wall plate connections within one meter.

CZP2
2-METER STEREO INTERCONNECT CABLE
For use where longer audio source connections are needed.

CZV
15" VIDEO INTERCONNECT CABLE
Perfect for routing composite/SD video from one S12 to another.

CZV1
1-METER VIDEO INTERCONNECT CABLE
Designed specifically for composite/SD video applications. Use to send video signals from DVD players, VCRs, satellite receivers, etc. to the ELAN Z•880 Video Controller or S12 Multi-Room A/V Controller.

CZV2
2-METER VIDEO INTERCONNECT CABLE
Designed specifically for longer-run composite/SD video applications.

RJ-45 INTERCONNECT CABLES

ELAN RJ-45 Interconnect Cables provide an inexpensive and reliable means to connect touch panels, keypads and door stations to ELAN equipment. If you're using ELAN Precision Panels for S, Z• and HD systems, these cables provide a quick, easy and error-free way to connect all your ELAN components in no time flat.

Each RJ-45 cable uses Cat-5, 4-pair color-coded wires and are available in the following formats:

C45P

Our traditional 2-meter RJ-45 pigtail cable for use with Z•PADs and VIA! Touch Panels.

C45451

A 1-meter RJ-45 to RJ-45 interconnect cable for use with the ELAN Precision Panels.

C45452

A 2-meter RJ-45 to RJ-45 interconnect cable for use with the ELAN Precision Panels.

CS2M   PZ6 PRECISION PANEL CABLE SUITE

This 30-piece kit includes just about everything you need to connect a stack of Z•Series components, source components and speakers to a PZ6 Precision Panel.

BJACK   BLACKJACK BANANA PLUGS

Tired of paying more for an inferior product? The BlackJack has heavy-duty, gold-plated, spring-loaded binding posts with knurled screw-down nuts—a high-quality product for any audio amplifier or speaker termination at a very affordable price.

configure

VIA!TOOLS™
www.elanhomesystems.com

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ELAN HOME SYSTEMS
LEXINGTON, KY

REVISION

TO INSTALL: 1.) Insert CD into your CDROM drive
2.) Run "Intro.htm" on the VIA!Tools CD
3.) Follow instructions on your screen

ELAN™
HOME   SYSTEMS
P/N: 890006990 REV: B

Quick and intuitive programming saves time and money. That's exactly what we had in mind when developing ELAN system setup software.

VIATOOLS   VIA!® SETUP SOFTWARE
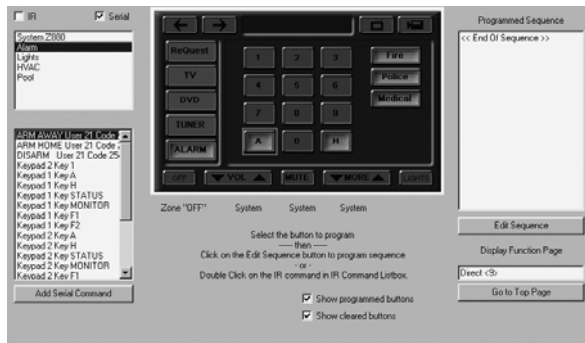
Updated for System12 Programming!

VIA!®TOOLS software is used to program VIA! Touch Panels and Z•PADs for ELAN S Series, Z•Series and HD Series systems. It is also used to program all the features and functions of the SC4 System Controller and SR1 Sense/Relay Module, and contains all the IR code-sets and RS-232 serial drivers for every ELAN component. This updated version of VIA!TOOLS includes system setup programming for the S12 Multi-Room A/V Controller, new Z•PAD options that allow you to program an IR sequence on any button, and conditional trigger programming for the S6 and S12.

One of the reasons VIA!® is the best-selling touch panel on the market today is its quick-and-easy approach to programming.

Intuitive icons guide the programmer through each section. VIA!TOOLS' cookie-cutter approach allows you to import pre-designed VIA! or Z•PAD layouts for just about any component you are integrating into the system. Programmers can also create and save their own templates, or even entire VIA! panels, which can then be imported for other jobs. You can also select from over 70 decor-matching motifs to match the look of almost any room.

VIA!TOOLS ships on a CD ROM that includes a library of pre-written serial drivers for ELAN's VIA! Integration Partners (VIPs). These pre-written drivers make it easy to integrate RS-232-controlled devices into VIA!-controlled systems, and can eliminate hours, if not days, of programming time. Included on the CD ROM are serial drivers for some of the industry's top lighting, HVAC, security system manufacturers and more. VIA!TOOLS updates are available for download from the dealer area of the ELAN web site, www.elanhomesystems.com. Check the web site often for the latest version!

VIA!TOOLS also features extremely powerful *Help Tutorials* that, with the aid of animation, guides you step-by step through all of its programming routines.

The VIA! Learner is an easy-to-use, high performance IR learner that can capture virtually any pulsed or carrier-based IR command you can wink at it! Learn and test as you go with onboard IR blasters, and archive all your learned libraries directly to your PC.

The VIA! Learner is also the download interface between your PC and a VIA! Touch Panel or Z•PAD.

VIATOOLS Software requires Windows® 98 or higher operating systems on a PC with one standard RS-232 or USB port*, 256 color 800 x 600 display, 16MB RAM (min) and approximately 10MB free disk space for associated files.

FEATURES & SPECS

SOFTWARE:
- New updates include:
  System12 and VIA!®QUAD programming
  Program IR sequences on any Z•PAD button
  S6/S12 conditional trigger programming
- Programs VIA! Touch Panels, Z•PADs, the SC4 and SR1 for S12, S6, Z• and HD systems
- Custom video overlays
- Pre-designed Function Page and Source Templates
- Drag-and-drop button layouts with icons or text
- Selectable decor-friendly motifs
- AUTOBUILD feature automatically adds all ELAN S, Z• and HD System commands
- Click-and-add IR and RS-232 commands or sequences to any button
- Extensive IR library
- Pre-written RS-232 serial drivers for lighting, HVAC, security systems and more
- Powerful 'Help' tutorials
- Downloadable updates
- Compatible with Windows® 98, 2000, ME, NT and XP

LEARNER:
- Captures carrier-based and pulsed IR commands
- 'Learn and Test' feature confirms each command is properly captured
- Store learned code sets in VIA!TOOLS IR libraries
- Download interface between VIA! Touch Panels/Z•PADs and PC
- 500kHz capture bandwidth
- 196 pulse data capture and compression algorithms
- Power supply, RS-232 and download cables included

* If your computer has a USB port, but not a serial port, a serial I/O PC card will be required for connection to the VIA! Learner. ELAN has tested and confirmed the functionality of the following product for use with VIA!TOOLS:

Socket Communications, Inc. Serial I/O PC Card, Product #: SL0700-004. For further information on this product, go to http://www.socketcom.com/product/SL0700-004.asp

configure

HDS5000 MCUPRO™ HD SETUP SOFTWARE
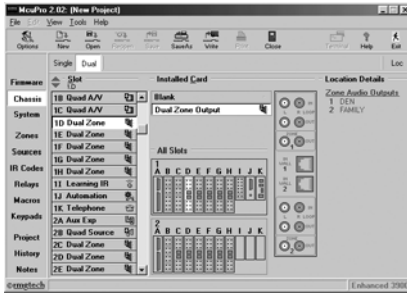
Configuring an ELAN HD system is quick and easy with MCUPro™. This Windows®-based program utilizes icons, bar graphs and tables that make every feature and function easy to program.

MCUPro™ can also learn and store real-time IR codes when connected to an MCU with an HDC2060 IR Interface Card. Client, project and custom IR library data files can be built, archived and retrieved.

Sequence programming is incredibly simple with MCUPro™, as are the programming of Sense Inputs and Relay Outputs—adding automation features that cost virtually nothing to the dealer and providing sizzle and convenience for the homeowner.

MCUPro™ includes a powerful, cross-referenced help system that documents every MCU programmable feature.

FEATURES & SPECS
- Build, store, and retrieve project and IR library files
- Download/upload configuration files to an MCU in less than 30 seconds
- Compatible with Windows® 95 or higher
- Requires MCU firmware revision 3700 or higher

Note: MCUPro™ is required for the programming of HD Series MCUs with firmware 3990 or higher.

HAS2 HOME AUTOMATION SUITE 2 (w/VIA!®PC)

The Home Automation Suite 2 combines VIA!®PC System Control Software with the HDC2042 Automation Control Card.

VIA!PC System Control Software lets homeowners use their own PC to easily control and monitor A/V distribution, change door chimes, set up timed events and more.

The Automation Control Card gives you three essential HD system functions:

- The RS-232 link between the homeowner's PC and the HD system, allowing VIA!PC to be used for system control.

- The RS-232 link between the programmer's PC and the HD system, allowing dealers to program HD systems with MCUPro Setup software – a requirement with MCU Firmware revision 3990.

- Provides numerous, easy-to-configure automation features with its six Sense Inputs and six Relay Outputs. Use it to automate lights, drapes, gates, sprinklers, CCTV cameras, home theater screens, lifts and more!

FEATURES & SPECS
SENSE INPUTS (6):
- Dipswitch configurable for TTL logic or dry contact sensing
- Each input can also power up to 8 lighted doorbell buttons
- Program up to 12 sense input sequences (6 ON/6 OFF) with embedded relay activation

RS-232 INTERFACE (1):
- Three wire, Rx, Tx and Ground, 19,200 BAUD, N,8,1
- Input Data: chainable ASCII characters followed by a carriage return
- Optional XON/XOFF control
- Optional key event broadcasting when using HDC3900 Firmware or higher
- Serially control up to three Z•880 Video Controllers (requires HDC3900 firmware or higher)

HAS2 SUITE INCLUDES:
- VIA!PC System Control Software
- HDC2042 Automation Control Card
- 2-meter computer interface cable
- MCU-to-PHD12 sense/relay interface cable

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Life Just Got Better™

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Rewards
TRIO The ELAN Summit

At ELAN, we pride ourselves on supporting our Dealers with world-class training, sales and marketing, products and service. Each year, we push ourselves very hard to introduce new Dealer programs that are unmatched in our industry. From July 1, 2003, through September 1, 2004, we have launched three brand new initiatives, each carefully designed to inspire, excite and train our best customers—the ELAN Dealers.

Our newest programs have been developed to present you with new opportunities and incentives that will enrich your businesses and lives—every day.

ELAN UNIVERSITY

Your resource for online training anytime, anywhere.

LEARN at your convenience and your own pace—from your home or office.

TRAIN on all ELAN products with ease.

GAIN new insight into our products, programming and applications.

ACCESS special tips and techniques for your installation success.

SAVE valuable money and time—no travel costs to attend on-site training.

ADD to your company's bottom line—training reduces time on-site.

ELAN prides itself on supporting our Dealers with world-class training and technical services. We provide our training using a variety of delivery methods including hands-on training at ELAN Headquarters, regional field trainings, and our online ELAN University (**ELAN U**), which was established in 2003.

Today, over 29,000 courses have been taken on **ELAN U**, and over 1200 Certificates issued since its introduction in July 2003. And that's just the start. Expansion is planned to include new products, video training and even generic industry courses such as Home Networking 101.

ELAN U is dedicated to providing all the information you need to be most successful with installing and supporting ELAN products. It is offered to all authorized ELAN Dealers. Our online University offers comprehensive courses, designed to take you step-by-step through basic system design and prewire, all the way up to programming, trim-out and systems integration. All lessons are accompanied by audio—and **ELAN U** is always growing!

Plus, you'll get immediate access to all of ELAN's latest news via THE WIRE, including Tech Bulletins, cool tech tips, new product introductions, and more!

You learn whenever YOU want. **ELAN U** *is at YOUR service 24-7!* There are 3 main levels of certification you can attain at **ELAN U**:

- • ELAN Professional   • ELAN Master   • ELAN PhD
- • **ELAN E²** And, for those installers who reach above and beyond in 2005, we will offer a separate level for the elite group of ELAN Expert installers.

BENEFITS TO THE INSTALLER

- ■ Fast. Get up to speed on ELAN specifics quickly.
- ■ Convenient. Fits your pace, your schedule.
- ■ Current. Stay up to date on products, applications, and software, and receive tech bulletins.
- ■ Professional Development. Get certificates and rewards for achieving levels.
- ■ Join THE ELITE group of ELAN Experts—the E²s, and reap even greater rewards!

BENEFITS TO THE BOSS

- ■ Cost effective. No $$ on airfare, hotels, rental cars.
- ■ Maximizes time. Less loss of install time.
- ■ Current. Your team's up to date on the latest.
- ■ Improves installs. Trained crew means fewer on-site issues, faster installs, fewer call-backs.
- ■ Net/Net. Adds to your bottom line!

DO THE NUMBERS—WE DID!!!

- ■ Avg. cost of airfare and 5 days accommodations for corporate training = about $800.
- ■ Add cost of revenue lost while away.
- ■ Same $800 = 8 installers full access to all **ELAN U** courses for A YEAR!

"ELAN U is an invaluable program because knowledge is power, and it's the only way to ensure a happy customer."

—Joe Strang, CEO Showcase Home Theatre & Automation
Calgary, Alberta, Canada

check out www.elanu.com today!

TRIO 2004
The ELAN Summit

Solely Dedicated to the 3 Key Facets of Your Business.

Business • Sales • Technical
Exciting. Extraordinary. Exceptionally Focused.
And - the Most Productive Weekend of Your Year. Every Year.

GAIN Valuable Insight from Other Dealers.

HEAR Exceptional Keynote Speakers.

ATTEND Specially Designed, Separate Business, Sales and Technical Courses.

INTERACT with ELAN VIA!® Manufacturer Partners.

ENJOY Great Entertainment.

TAKE Your Business to the Next Level.

It started as a vision. To bring together over 400 Managers and key Sales and Technical personnel from ELAN Dealerships, VIA!® Integration Partners (VIPs), and Sales Representatives from around the world. To let them experience and participate in a truly unique industry forum featuring a wide array of sales and technical training, business education, inspiring keynote speakers, and networking opportunities. Foster deeper, life-long relationships with our Dealers.

On May 13th, 2004, this vision became a reality with the Inaugural ELAN TRIO Summit held in ELAN's backyard. From May 13th – 16th, the Hyatt Regency and the Radisson in downtown Lexington, KY were full of ELAN's best Dealers experiencing a well-rounded, passionate, and growth-focused program.

This first year has been incredibly successful, with TRIO being called "the best event we've been to in years" by an ELAN Dealership Owner. Dealers, other Manufacturers (VIPs), and the Press have sent in feedback remarking how TRIO was an event they "would never miss in future years".

The 2004 first-annual TRIO Summit included internationally recognized speakers who were carefully selected to share great insights relevant to the specialty A/V industry, including Scott Hunter, James Gilmore, and Giovanni Livera. Well-respected industry leaders Bernie Sapienza and Steve Hayes also lead special workshops. There were numerous breakout sessions, a Tech Competition for prizes, an awards ceremony and a closing Saturday night Caribbean party with live music, great food, and fun with the ELAN family.

TRIO will continue to grow as a traditional event for ELAN and our Dealers, and will be held each year in May. Registration is done online. For TRIO 2005, we hope to begin registration in November of 2004.

Don't miss out on this incredible ELAN program designed to inspire thought, cover relationship and lifestyle selling, create excitement within your company, and provide exceptional new ways to reach your complete professional success.

Special Thanks to our 2004 VIP Sponsors

LUTRON Lutron controls your light.™   **GE Security**   V A N T A G E

SHARP   **Stewart** Filmscreen Corporation®

"We had a great time. We gained a lot of ideas, and reevaluated what and how we are doing business. TRIO had a lot to offer, and it will impact our business for years to come. When you get the chance, please let your staff know that the folks from KAM rate TRIO as the best event we've been to in years!"

—John Gralton, KAM

check out **www.elanhomesystems.com/dealer/trio** today!

ELAN Rewards

WIN WITH ELAN!

REGISTER at www.elanrewards.com and get 5,000 points just for registering!

ENTER your qualifying job contracts using our simple screens.

SELL ELAN equipment, complete the contract, and submit sign-off to ELAN.

EARN and ACCUMULATE points for ELAN products, wearables, golf clubs, electronics, bicycles, luggage, watches, trips, and much more!

WIN WITH ELAN as an ELAN REWARDS member!

At ELAN, we want you to have every advantage, every edge, every win. The ELAN REWARDS online program was created in 2004 exclusively for you, our Dealers, to thank you for working with us and selling our products. Every single time you contract qualifying jobs and sell ELAN gear into them, you can earn points towards amazing gifts! Nearly 100 different items can be redeemed including ELAN products, MP3 players, golf clubs, luggage, watches, ELAN wearables, camping gear, bicycles, and even luxury trips! Plus a lot more. Simply visit **elanrewards.com** to participate. Check back often for special bonus-point offers that help you earn even faster.

Do what you do best every day— sell and win with ELAN!

ELAN REWARDS POINTS? Yup, and that's just the start of the fun. As an ELAN REWARDS member you'll enjoy exceptional additional benefits including:

- Special mailings
- Product pre-announcements, Tech Bulletins, cool ELAN product tips and much more
- Special promotions and even double or triple points when offered
- No fees, no cost to participate

GET THE POINTS

AND WIN WITH ELAN

ELECTRONICS TRIPS LUGGAGE GOLF CLUBS TECHNOLOGY CAMERA BIKES CAMPING GEAR ELAN WEARABLES ELECTRONICS TRIPS LUGGAGE GOLF CLUBS TECHNOLOGY CAMERA BIKES CAMPING GEAR ELAN WEARABLES ELECTRONICS TRIPS LUGGAGE

check out **www.elanrewards.com** today!

ELAN™

Life Just Got Better™

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