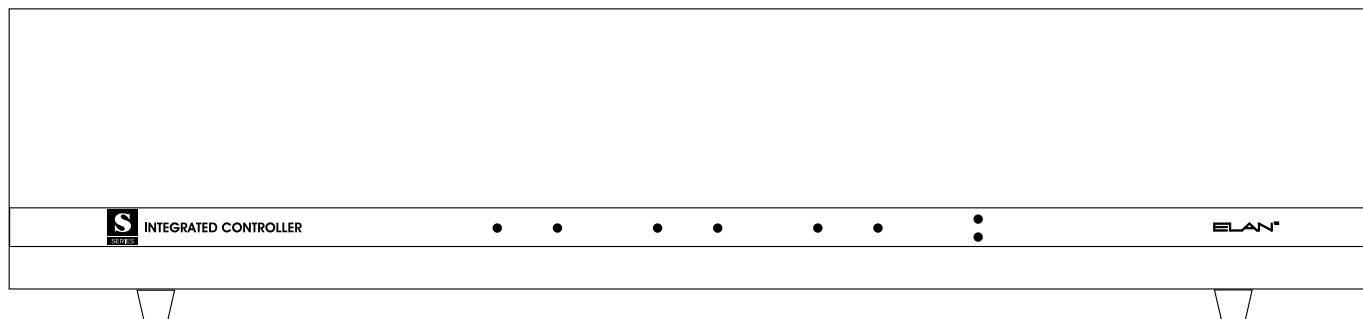




SYSTEM6

Integrated Multi-Zone Controller

INSTALLATION MANUAL AND USER'S GUIDE



CONGRATULATIONS AND THANK YOU

Introducing the ELAN System6 Integrated Multi-Zone Controller.

The System6 is a six-source / six-zone integrated audio preamp controller and power amplifier. It enables as many as six audio sources to be accessed independently using ZPADS, VIA! Panels, or IR Receivers located in as many as six separate zones. RJ-45 jacks on the back of the unit make connectivity practically plug n' play. And with 12 channels of amplification at 40 watts per channel built right in, the System6 provides the kind of sound quality you've come to expect from ELAN.

Expand the capabilities of your System6 with the following ELAN products:

- M•Series In-Wall and In-Ceiling Speakers
- OH Series Outdoor Speakers
- Z•600 Communications Controller
- Z•880 Video Controller
- ZPOWER Power Controller
- ZFAN System Cooling Module
- Z•660 Power Amplifier
- Z•300 Power Amplifier
- Z•630 Preamp Controller
- Z•100 Series Keypads
- Z•200 Series Keypads
- VIA! and VIA! Valet Touch Panels
- VIA! DJ Digital Music Server
- VSE Electronic Volume Controls
- IRTUBE
- IR2020
- IRC3000
- IRAWP Send/Receive Wall Plate

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 **WARNING** 
**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the device or component.

**WARNING: TO REDUCE THE RISK OF FIRE OR SHOCK,
DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

IMPORTANT SAFETY INFORMATION

Read Information—All the safety and operating information should be read before the unit is operated.

Follow Information—All operating and use information should be followed.

Retain Information—The safety and operating information should be retained for future reference.

Heed Warnings—All warnings on the unit and in the operating instructions should be heeded.

Carts and Stands—This unit should be used with a stationary shelf. Do not use any mobile carts.

Wall Mounting—Mounting of this unit should be done only by an authorized installer.

Ventilation—This unit should be situated so that its location or position does not interfere with proper ventilation. This unit should never be placed near or over a radiator or heat register. This unit should not be placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

Non-Use Periods—Units that are left unattended and unused for long periods of time should be unplugged from the wall outlet.

Power Sources—This unit should be connected to a power supply only of the type described in the operating instructions or as marked on each unit. If you are not sure of the type of power supply to your home, consult your authorized ELAN dealer or local power company.

Grounding or Polarization—These audio products are equipped with a grounding-type alternating-current line plug. This plug will fit only into a grounding-type power receptacle. This is a safety feature. If the plug receptacle does not fit, contact an electrician to replace your obsolete receptacle. Do not defeat the safety purpose of the grounding-type plugs.

Water and Moisture—To reduce the risk of electric shock or fire, these appliances should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

Power Cord Protection—Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the units. Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or fire when used. When removing from the wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.

Telephones—Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electrical shock from lightning. Do not use a telephone to report a gas leak if the leak is in the vicinity of the ELAN electronic equipment because of risk of fire or explosion.

Cleaning—Unplug this audio product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

Power Lines—An outdoor antenna should be located away from power lines. When installing an outside antenna system, extreme care should be taken to avoid touching power lines or circuits, as contact with them may be fatal.

Outdoor Antenna Grounding—If an outside antenna or cable system is connected to these audio products, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the U.S. National Electrical Code, and Section 54 of the Canadian Electrical Code, provide information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See the grounding diagram (right).

Overloading—Do not overload wall outlets and extension cords, as this could result in fire or electric shock. Do not use speakers with a rating of less than 4 ohms when in "nonbridged" mode or less than 8 ohms in "bridged" mode.

Object and Liquid Entry—Never insert objects of any kind through the openings of this unit, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Care should be taken so that objects do not fall and liquids are not spilled into the unit through openings in the enclosure.

Servicing—Do not attempt to service this unit yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

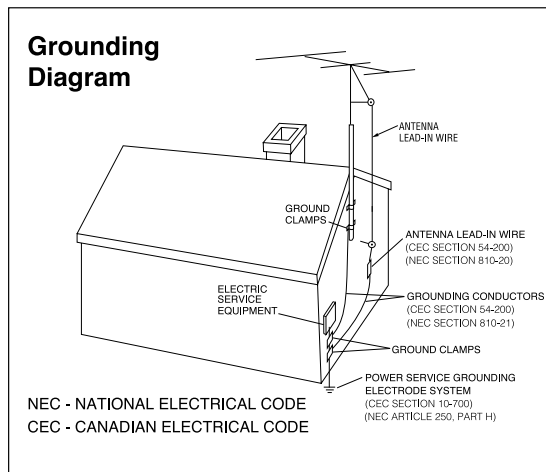
Damage Requiring Service—This unit should be serviced by qualified service personnel when:

- A power supply cord or a plug has been damaged or
- If liquid has been spilled into the unit or objects have fallen into the unit or
- The unit has been exposed to water or moisture or
- The unit does not appear to operate normally or exhibits a marked change in performance or
- The unit has been dropped or the enclosure damaged.

Replacement Parts—When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards. The Master Control Unit battery should be replaced only after turning the power off and only by an authorized installer.

Safety Check—Upon completion of any service or repairs to this audio product, ask the service technician to perform safety checks to determine that the audio product is in proper operating condition.

Lightning—For added protection for these audio products during an electrical storm, or when they are left unattended and unused for long periods of time, unplug them from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the audio products due to lightning and power-line surges.



FEDERAL COMMUNICATIONS COMMISSION (FCC) NOTICE:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

SECTION 1 - INTRODUCTION

1.1 - FEATURE OVERVIEW

6 Source / 6 Zone

The System6 enables you to independently listen to and control up to six different audio sources (i.e. Tuner, CD, Tape Deck - and the audio signals from your VCR, DVD, and Satellite Receiver) in six distinct listening areas, or “zones”.

12 Channel x 40 WPC Power Amplifier

The System6 features 12 channels of amplification capable of delivering 40 watts per channel into 8 ohms. The System6 provides more than enough clean, dynamic power to drive a house full of speakers all day long!

Compatible with ELAN ZPADs, VIA! Touch Panels, IR Receivers, and VSEs

The System6's zones can be controlled using ELAN S6KP, Z100 Series or Z200 Series ZPADS, VIA! Touch Panels, and IR Receivers. Add multiple Touch Panels, Keypads, IR Receivers, or VSE Electronic Volume Controls for maximum flexibility.

Quick and Easy Programming

As with ELAN Z and HD systems, it's the ZPADs and VIA! Touch Panels that are individually programmed for each zone. This enables you to customize each zone's access to system sources and functionality. ZPADs and VIA!s connected to the System6 are programmed using the same software tools as our other systems - VIA!TOOLS or the Z090 Keypad Programming Module.

Variable or Fixed Preamp Outputs

The System6 features DIP switches on the rear of the chassis which enable the installer to configure each of the six pairs of preamp outputs as either FIXED or VARIABLE, facilitating the creation of sub-zones. By sending the FIXED output of an S6 zone to another amplifier, the volume controls connected to that amplifier will have independent control of the volume level in each sub-zone. Use additional amplifier channels and volume controls to add more rooms to a zone.

User Feedback to all System Keypads and Touch Panels

Unlike other basic multi-zone systems, the System6 receives IR data and transmits feedback to the VIA! Panels and ZPADS. These features inform the user of which source is currently selected, Zone ON/OFF status, Volume Level, Mute, Do-Not-Disturb, Whole-House Music Status, and more!

Keypad RJ-45 Jacks and Removable Speaker Terminals for Easy Connectivity

In addition to the six plug 'n play RJ45 jacks for ZPADS, VIA! Panels, IR Receivers, and Electronic Volume Controls (VSE), the System6 features installer-friendly removable speaker terminals which accept up to 14 AWG wire.

1.1 - FEATURE OVERVIEW - CONT.

6 Source-Specific IR Output ports plus 1 "ALL" port

Six source-specific IR output ports enable multiple 'same make/model' components to be used without conflict or interference. An IR ALL port is also provided.

Easy Telecom Expansion

The Z•600 Comm Controller provides your system with whole-house telecommunication features such as paging, phone-to-phone intercom, caller-on-hold, music-on-hold, 2-way door station communications, relay control and more. The S6 features a PAGE / DOORBELL input jack and a MUSIC ON HOLD (MOH) output jack for quick and easy connection of ELAN's Z•600 Communications Controller.

6 Zone Trigger Outputs

Each of the System6's zones generates a Zone Trigger Output (12VDC 100mA) whenever the zone becomes active. These control voltages are activated on a zone-by-zone basis to enable triggering of external ELAN power amplifiers or any other device/system requiring 12VDC to operate or activate.

2 System Trigger Outputs

The two System Trigger Outputs generate 12VDC 100mA each whenever ANY of the System6's zones become active.

6 Source Status Inputs

These inputs are reserved for use with ELAN's SmartSense™ power management products when they become available (mid-to-late 2003). The S6's Source Status Inputs will enable the ON/OFF status of each source to be monitored by turning ZPAD source LEDs green when the source is on, or RED when the source is off. Until ELAN's SmartSense™ products are released, ZPAD source LEDs will turn RED whenever a source is selected.

Video Switching

The System6 may also be utilized in conjunction with the ELAN Z•880 8x8 Video Controller to enable distribution of your video sources, or to accommodate CCTV cameras.

Made in the USA

The System6 was designed by ELAN Home Systems' pro audio engineering staff and manufactured in our Lexington, Kentucky facility. The highest quality control standards have been implemented to ensure a superior product that will provide years of listening enjoyment.

1.1 - FEATURE OVERVIEW - CONT.

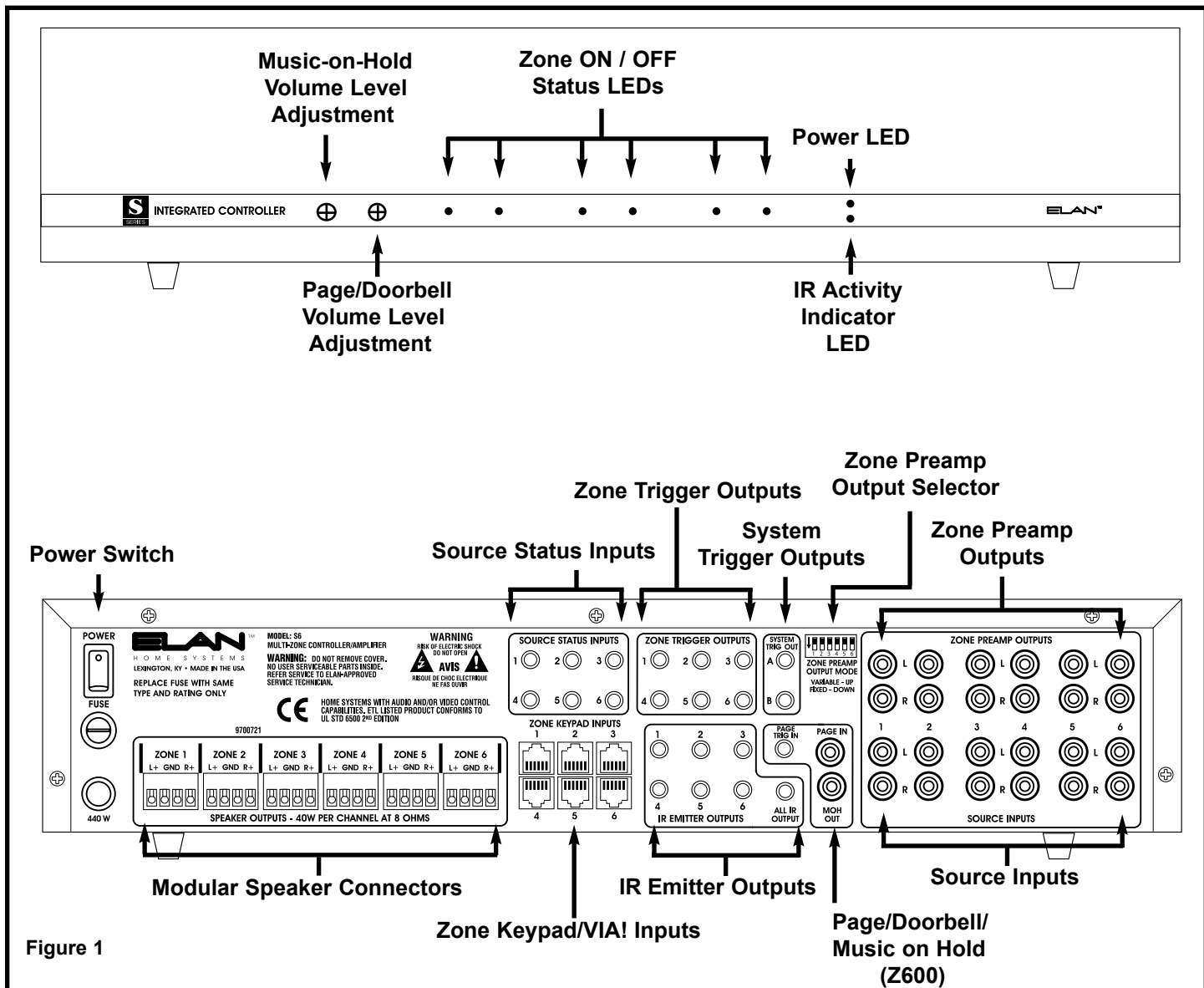


Figure 1

1.2 - SYSTEM6 SPECIFICATIONS

Source Inputs

INPUT SENSITIVITY.....0-2V RMS
INPUT IMPEDANCE.....47KOhm

Preamp Outputs

MAX. OUTPUT LEVEL.....6dB
FREQUENCY RESPONSE.....20Hz to 20kHz, +/-0.5dB
THD+NOISE(@1KHz).....0.01%
SIGNAL-TO-NOISE.....>95dB
CROSSTALK (ZONE TO ZONE).....>70dB
OUTPUT IMPEDANCE.....620 Ohms

Amplifier Output

MAX. OUTPUT POWER.....40W @ 8 Ohms
SPEAKER IMPEDANCE.....8 Ohms
FREQUENCY RESPONSE.....20Hz to 20kHz, +/-1dB
THD+NOISE(@1KHz).....0.02%
SIGNAL-TO-NOISE.....>95dB
CROSSTALK (ZONE TO ZONE).....>70dB

Music On Hold Output

OUTPUT IMPEDANCE.....1KOhm

Page & Doorbell Input

INPUT IMPEDANCE.....47KOhms

1.3 - SYSTEM6 FRONT PANEL ADJUSTMENTS

Music-On-Hold Output Gain Adjustment

As shown on page 8, this potentiometer adjusts the gain of the Music-On-Hold signal (Source #1) going to the Music-On-Hold input on the ELAN Z•600 Comm Controller or a phone system.

Page/Doorbell Input Gain Adjustment

Adjusts the input level of the Page and Doorbell signal being received from the ELAN Z•600 Comm Controller (see *Connecting a Z•600 Comm Controller to the System6*, page 15).

Zone Status LED Indicators

SOLID Indicates the zone is on.

Power LED

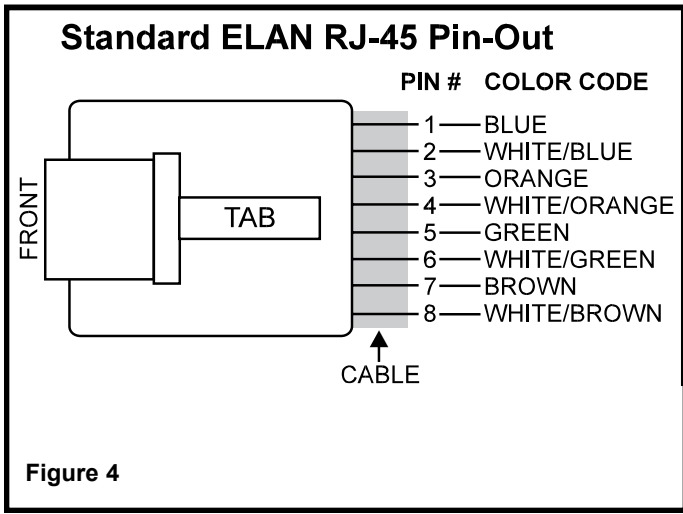
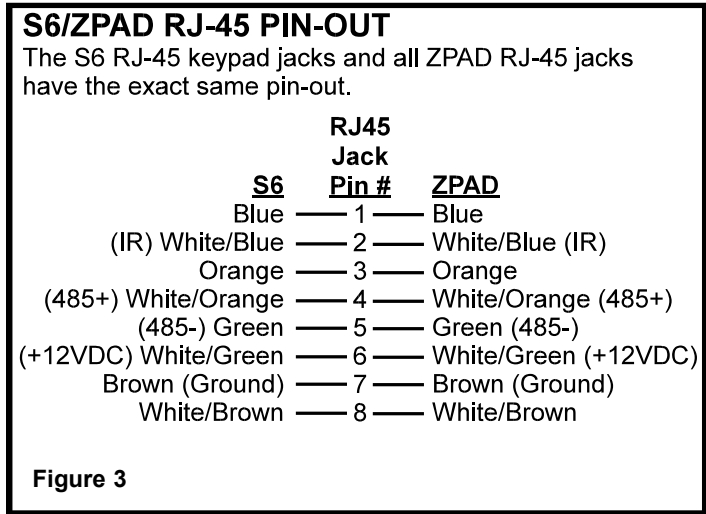
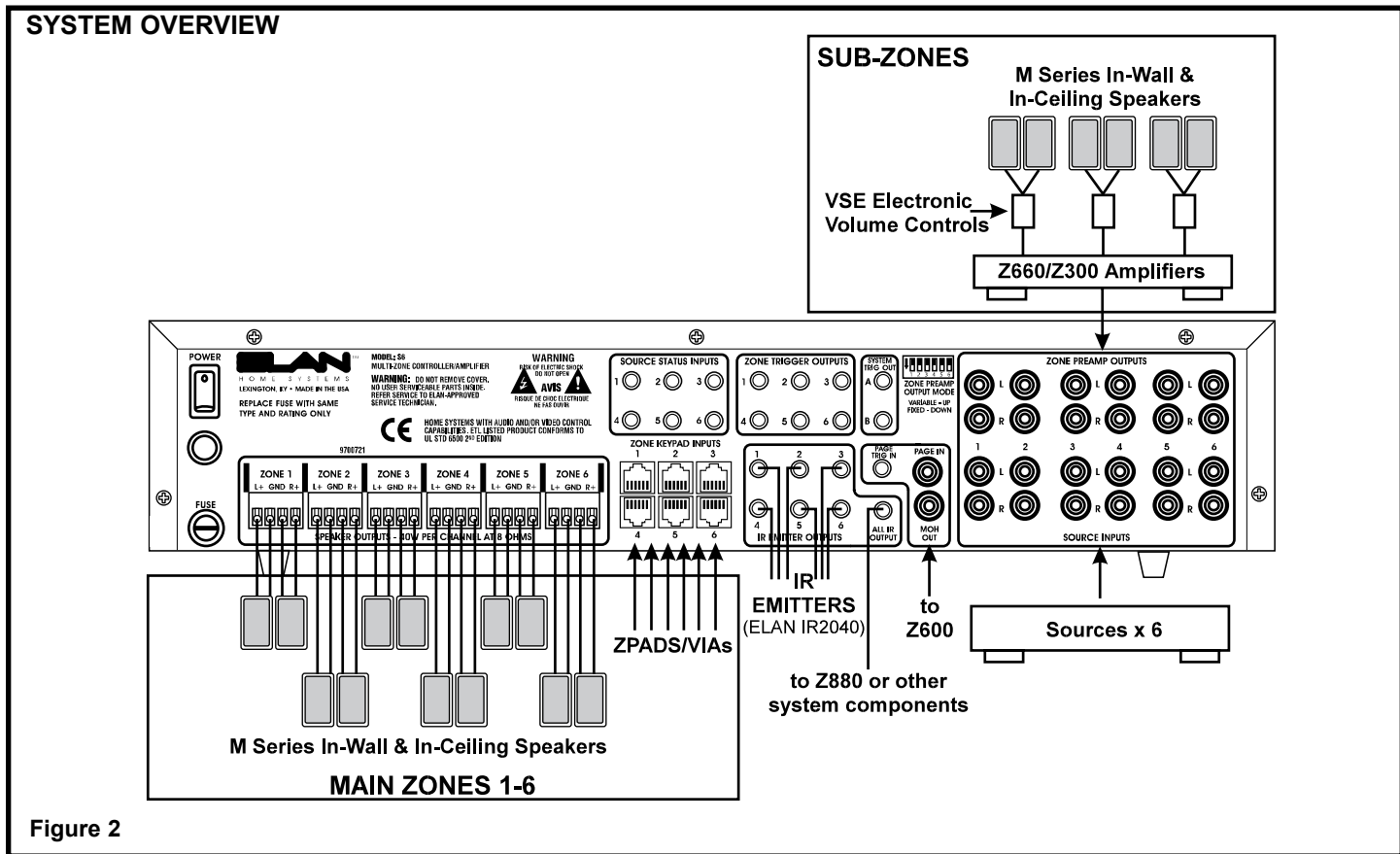
Indicates the S6 is powered up.

IR Activity Indicator LED

WINKING Indicates that IR data is being received from a keypad, IR Receiver, or VIA! Panel in a zone.

SECTION 2 - CONNECTIONS AND SETTINGS

2.1 - SYSTEM OVERVIEW



2.2 - WIRING ZPADS TO THE SYSTEM6

System Specs

Each of the System6's Zone Keypad RJ-45 Jacks provides 12VDC 300mA. These Zone Keypad connections are capable of driving a maximum of **four** ZPADs per zone, or **two** ZPADs with two Z-025 Override Modules connected per zone.

ZPAD Connections and System6 Wiring

1. CAT-5 should be used for all keypad wire runs (max 500ft).
2. ZPAD wire runs can be terminated directly to RJ45 connectors and then plugged into the S6.
3. **Use ELAN C45P RJ45-to-Pigtails Interface Cables and a point-to-point punchdown block** (such as the ELAN TBK2000U), to facilitate the termination of keypad wire runs. Use of a punchdown block eliminates crimping and pinout errors while providing a neat, on-wall wire management solution.

IMPORTANT NOTE
ZPADs, VSEs and IR
Each ZONE KEYPAD INPUT RJ45 jack on the S6 provides 12VDC 300mA.

You may choose to load each of the S6's ZONE KEYPAD INPUTS with any combination of ZPADs, IR Receivers, or VSEs as long as the total current consumption **DOES NOT EXCEED 300mA**.

ZPADS (w/ IRTUBE) = 65mA
Z025 = 85mA
VSE = 40mA
Additional IR Receivers = 10mA

USING THE TBK2000U FOR ZPAD CONNECTIONS

TBK2000U unlaced (point-to-point) Punchdown Block

Figure 5

ZPAD TO S6 CONNECTIONS

A.

ZPAD TO S6 CONNECTIONS USING A PUNCHDOWN BLOCK

The TBK2000U accepts double-punchdowns of solid conductor CAT-5 wire at each punchdown position, making it easy to terminate both a ZPAD and the S6.

B.

CONNECTING TWO ZPADS IN ONE ZONE

Parallel the IR, Ground, 485+ and 485- wires together

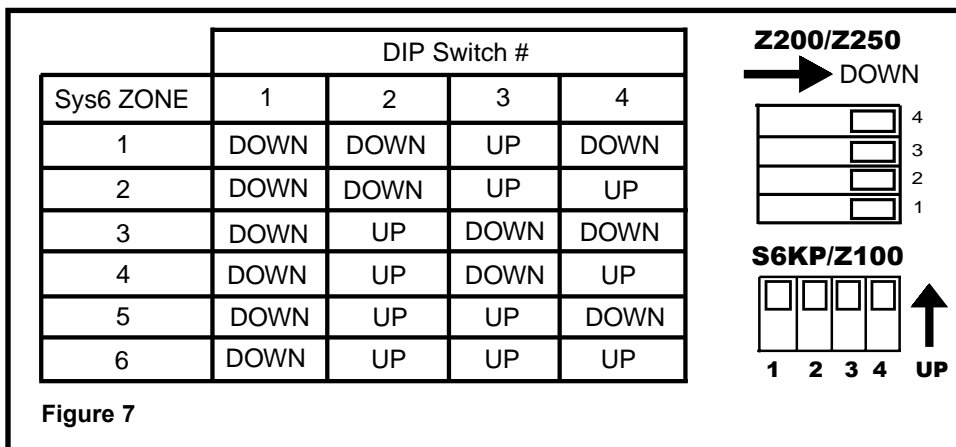
C.

Figure 6

2.2 - WIRING ZPADS - CONT.

ZPAD DIP Switch Configuration

When connecting ZPADs to the System6, all DIP switches on all ZPADs should be configured to reflect their Zone ID.



NOTE: If more than one ZPAD is to be installed in a single zone, all wiring should be paralleled (as illustrated in Figure 6C on the previous page) and both ZPADS should be assigned the same Zone ID.

Connecting an IR Receiver in Parallel with a ZPAD

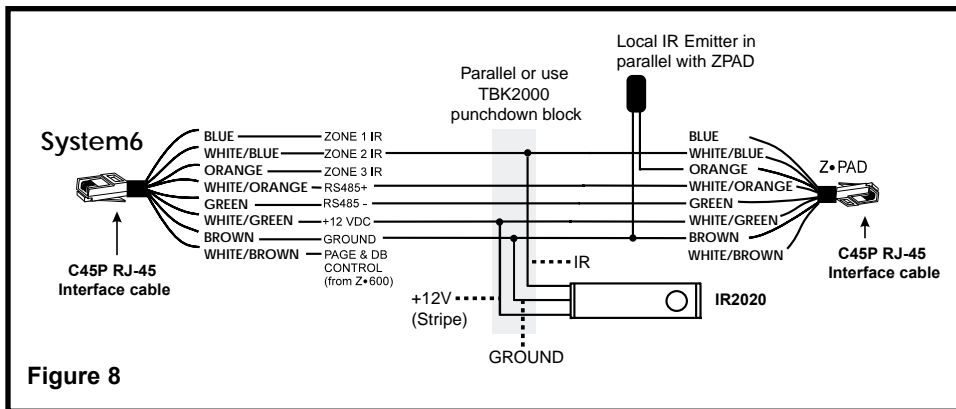
The System6 is capable of accommodating IR Receivers to enable control of the system using a hand-held remote.

IR TUBE

The ELAN IR TUBE features a modular connector that attaches to the ZPAD's PC board. If desired, the IR Tube's pigtail and connector may be cut in two and extended using CAT5 if the IR TUBE is to be mounted in the baffle of an M Series in-wall speaker.

IRC3000 / IR2020

See the diagram below illustrating how to parallel connect an IRC3000 J-Box Receiver or an IC2020 Miniature IR Receiver



2.3 - SOURCE AND IR CONNECTIONS

Source and IR Connections

The S6 has six pairs of line-level audio inputs for the connection of up to six audio sources.

Each audio source has a corresponding source-specific IR output for the connection of IR emitters. Source-specific IR outputs allow multiple sources of the same make and model to be controlled independently.

The S6 also has an IR ALL port that can be used to control other system components such as the ELAN Z880 Video Controller.

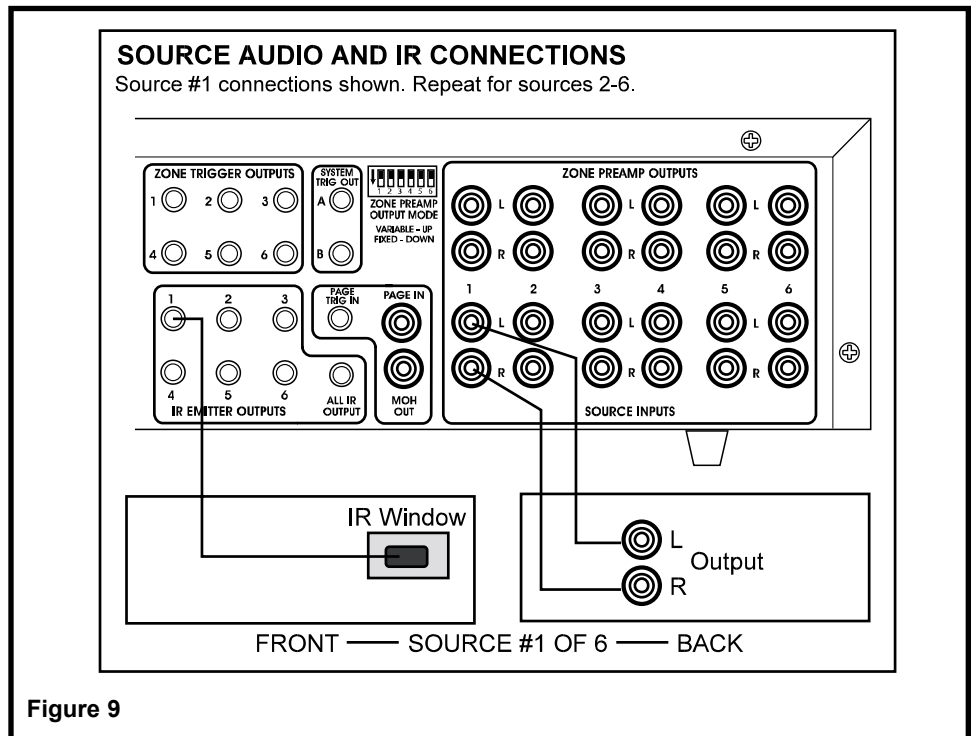


Figure 9

2.4 - USING THE S6'S PREAMP OUTS TO CREATE SUB-ZONES

Zones and Sub-Zones

A zone does not necessarily have to consist of only a single room. A zone may also consist of two or more separate or adjoining areas, each with independent control of the volume in that room. These additional rooms are called Sub-Zones.

Sub-Zones are easily created using an additional power amplifier and the S6 Zone Preamp Outputs (see figure 10).

The rear of the S6 features DIP switches which enable the preamp outputs to be set to either VARIABLE (keypad-controlled) or FIXED.

By sending the FIXED output of an S6 zone to an external amplifier, the volume controls connected to that amplifier will have independent control of the volume level in that Sub-Zone. Use additional amplifier channels and volume controls to add more areas to a zone.

The diagram below shows Zone 1 consisting of the Main Zone (keypad-controlled and amplified using the S6's internal amplification) and a Sub-Zone, which has a volume control to adjust the level. Whatever source is selected in the Main Zone is the source that will be heard in the Sub-Zone(s).

Standard "Knob-style" volume controls do not require any additional wiring. ELAN VSE Electronic volume controls require a run of CAT5 in addition to the speaker wire.

IMPORTANT NOTE

ZPADs, VSEs and IR

Each ZONE KEYPAD INPUT RJ45 jack on the S6 provides 12VDC 300mA.

You may choose to load each of the S6's ZONE KEYPAD INPUTS with any combination of ZPADs, IR Receivers, or VSEs as long as the total current consumption **DOES NOT EXCEED 300mA**.

- ZPADS (w/ IRTUBE) = 65mA
- Z025 = 85mA
- VSE = 40mA
- Additional IR Receivers = 10mA

SUB-ZONE CONNECTIONS (Zone 1 shown)

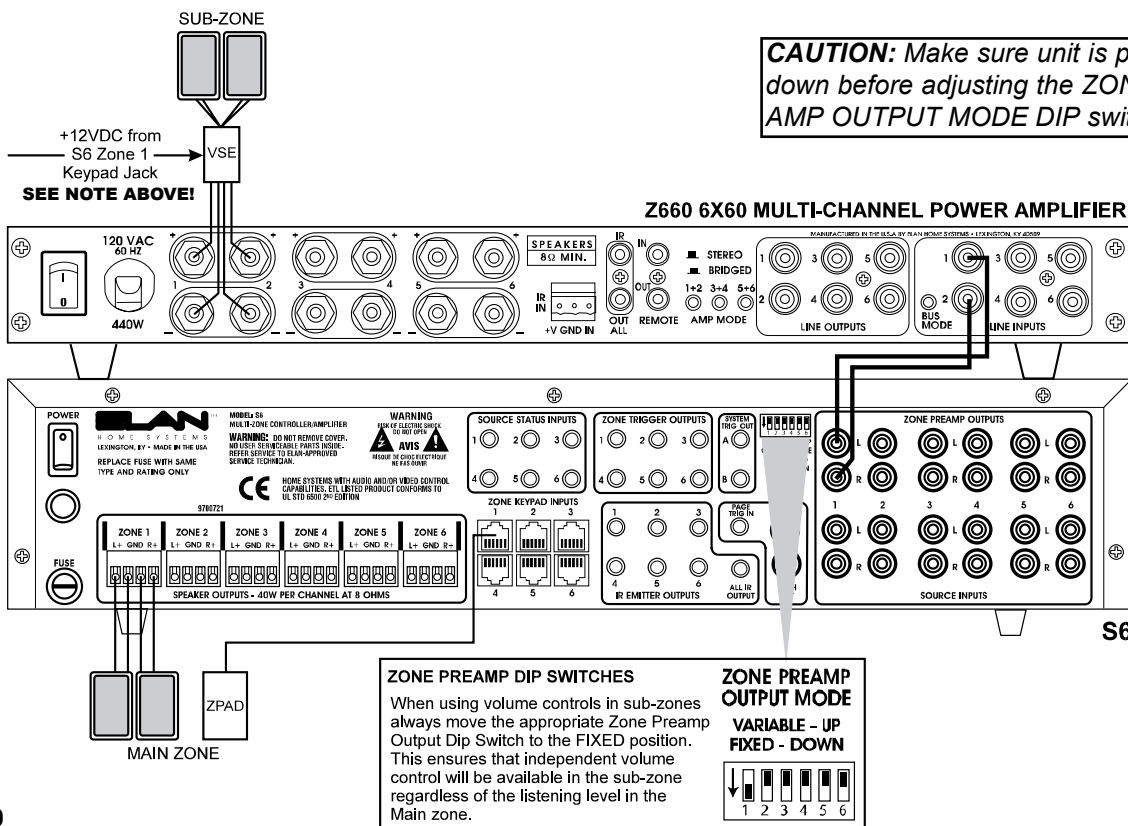


Figure 10

2.5 - INTEGRATING THE Z600 COMM CONTROLLER

Connecting the Z600 to the S6

1. **Page & Doorbell Audio:** Connect the S6 PAGE IN to the Z600 P&DB OUT
2. **Music-On-Hold:** Connect S6 MOH OUT to Z600 MOH IN. The S6 automatically outputs Source #1 to the MOH jack.
3. **Page & Doorbell Control:** This connection mutes the music and allows the Page and Doorbell audio to pass thru into the zone. An RJ45-to-3.5mm 'Mini' plug cable must be made for this interface (see diagram below). The cable is then connected between the S6 PAGE TRIGGER jack and the Z600 RJ45 CONTROL jack.

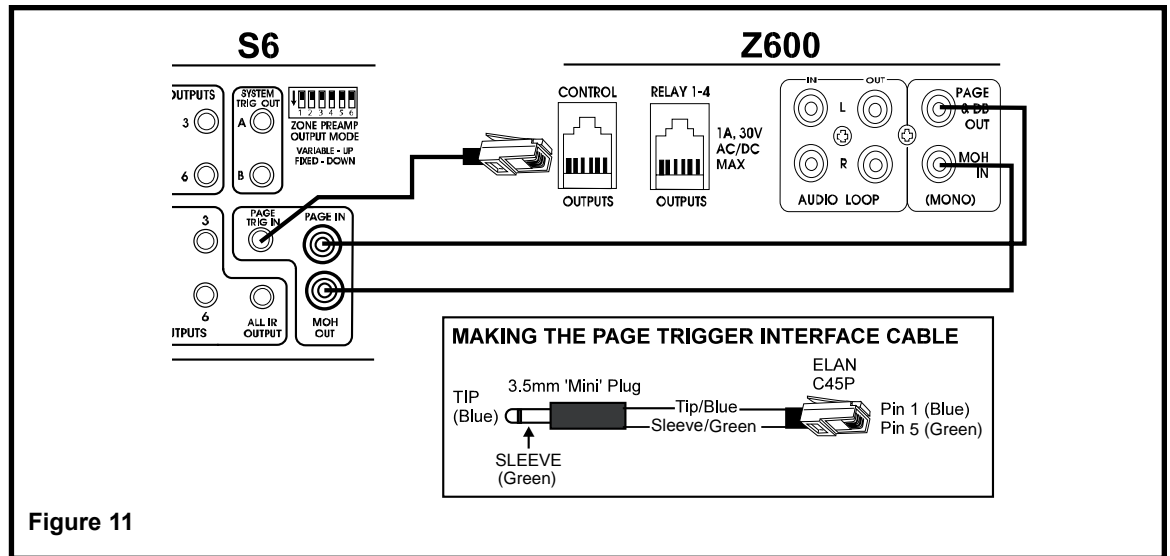


Figure 11

2.6 - INTEGRATING THE Z880 VIDEO CONTROLLER

Connecting a Z880 to the S6.

1. Using a 3.5mm 'Mini-to-Mini' plug cable (ELAN IR2043), connect the S6 IR ALL port to the IR input jack on the back of the Z880; or
2. Using a miniature IR emitter (ELAN IR2040) plugged into the S6 IR ALL port, place the emitter over the IR window on the front of the Z880.

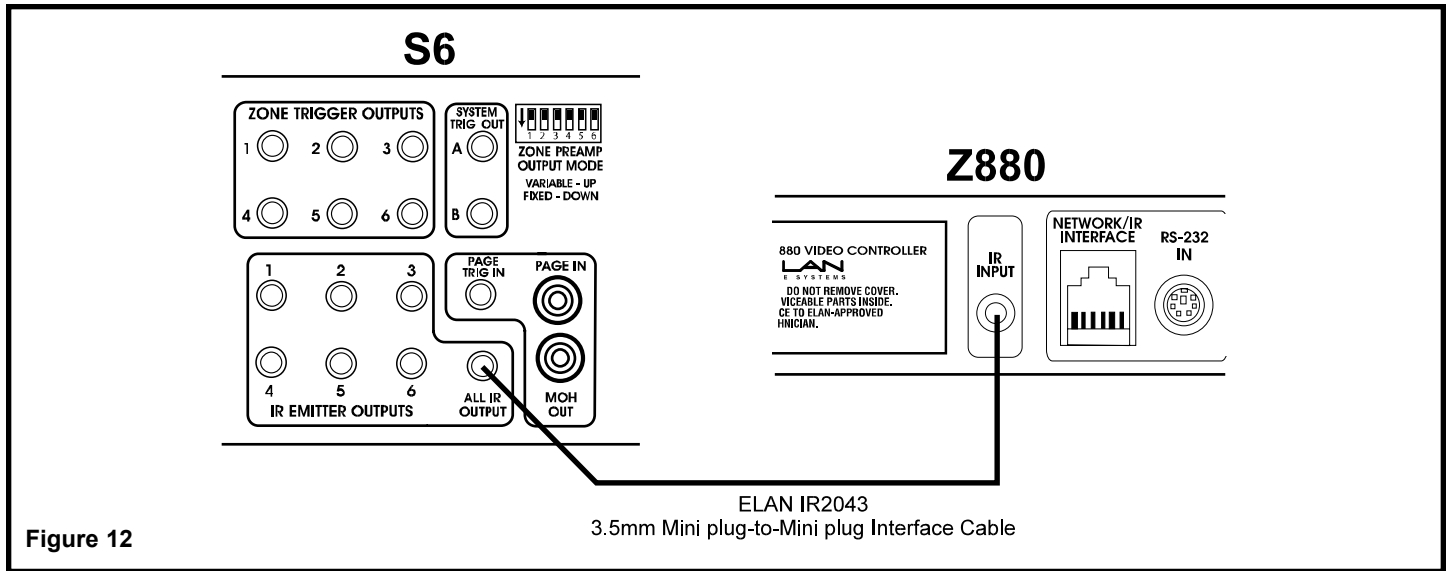


Figure 12

2.7 - UTILIZING THE S6'S ZONE AND SYSTEM TRIGGER OUTPUTS

Whenever a zone becomes active, the corresponding Zone Trigger Output on the System6 provides 12VDC 100mA.

This trigger voltage output may be used to activate any suitable device (i.e voltage - activated switched outlets, relay interfaces, etc.)

Additionally, a pair of SYSTEM Trigger Outputs are featured on the rear of the S6. Each SYSTEM Trigger Output provides 12VDC 100mA whenever ANY of the System6's zones become active.

USING ZONE TRIGGER OUTPUT #1 TO ACTIVATE AN EXTERNAL AMP (THE AMP WILL ONLY TURN-ON WHEN ZONE #1 IS ACTIVE).

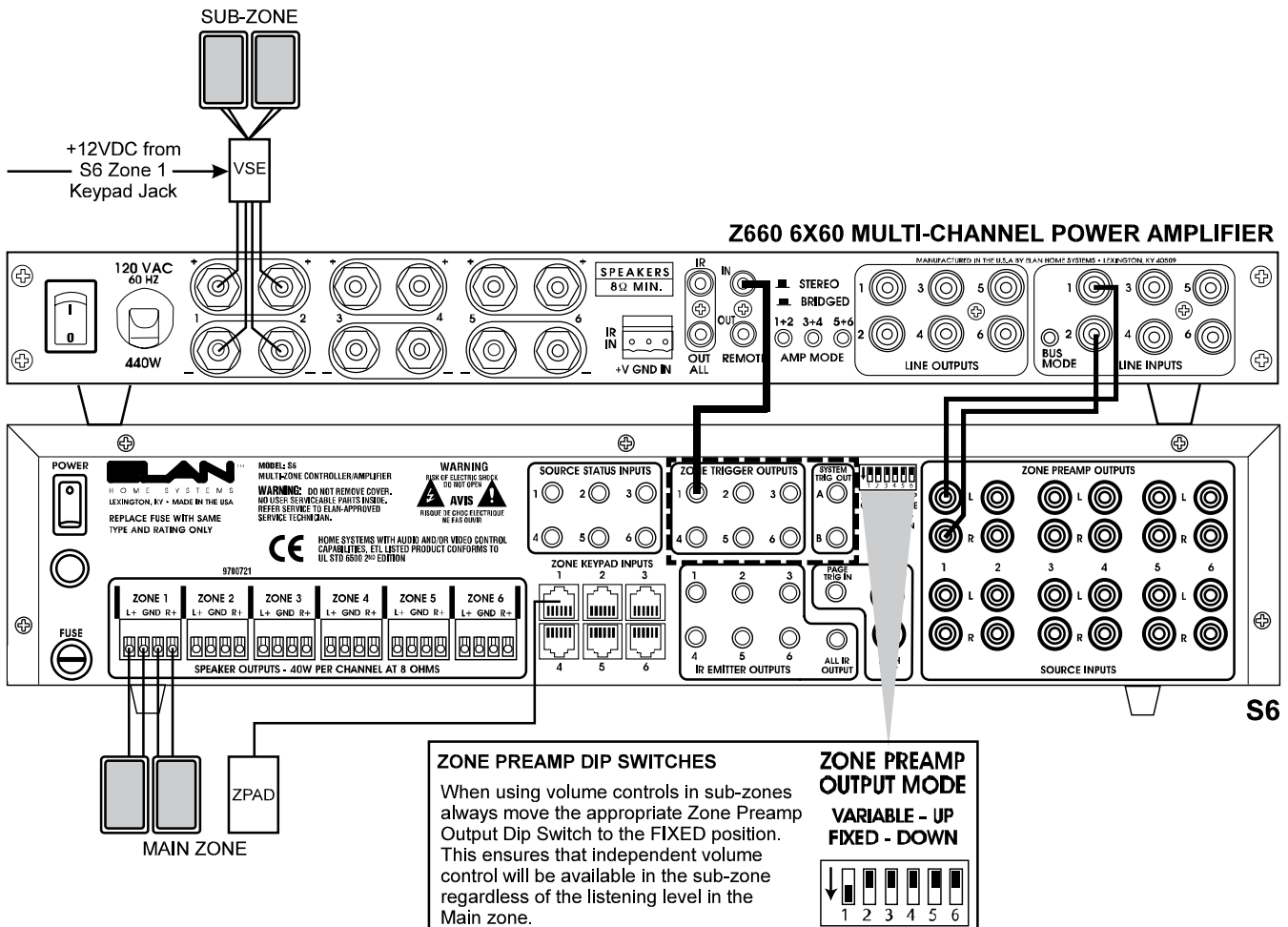


Figure 13

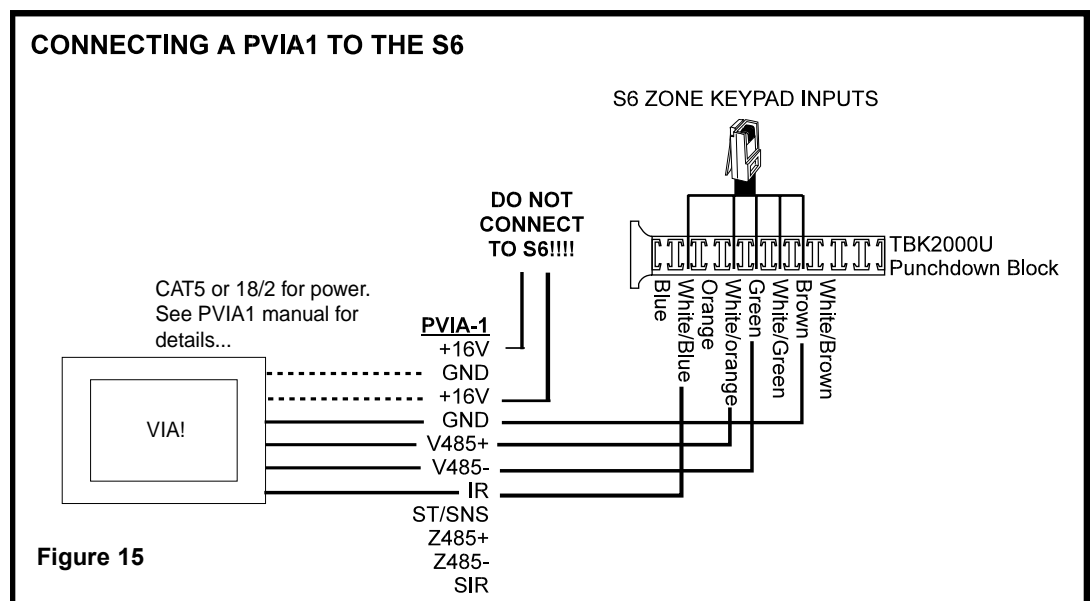
2.8 - CONNECTING A VIA! PANEL TO THE SYSTEM6 USING A PVIA1

As shown below - a VIA! Panel must be connected to (and powered by) a PVIA plate before being connected to the S6.

NOTE: The System 6's internal power supply IS NOT CAPABLE of powering a VIA! Panel! See the PVIA! Plate's manual for instructions on connecting VIA! Panels to PVIA's.

Connect the PVIA Plate to the S6 as follows:

1. Only connect the PVIA1's "IR, RS485+, RS485-, and GROUND" wires to the S6.
NOTE: If multiple VIA!s will be connected to the S6 (using a PVIA4), the RS485+/- wires from ONLY ONE VIA! Panel need be connected to the S6. For all other VIA!s, only the IR and GROUND wires need to be connected to their respective keypad inputs on the S6.
2. The PVIA1 has its own power supply. **NEVER connect the +16V from a PVIA wall plate to the S6.** Doing so will damage the S6 and void the manufacturer's warranty.
3. See the PVIA! Manual for instructions on connecting the VIA! Panel to the PVIA1.



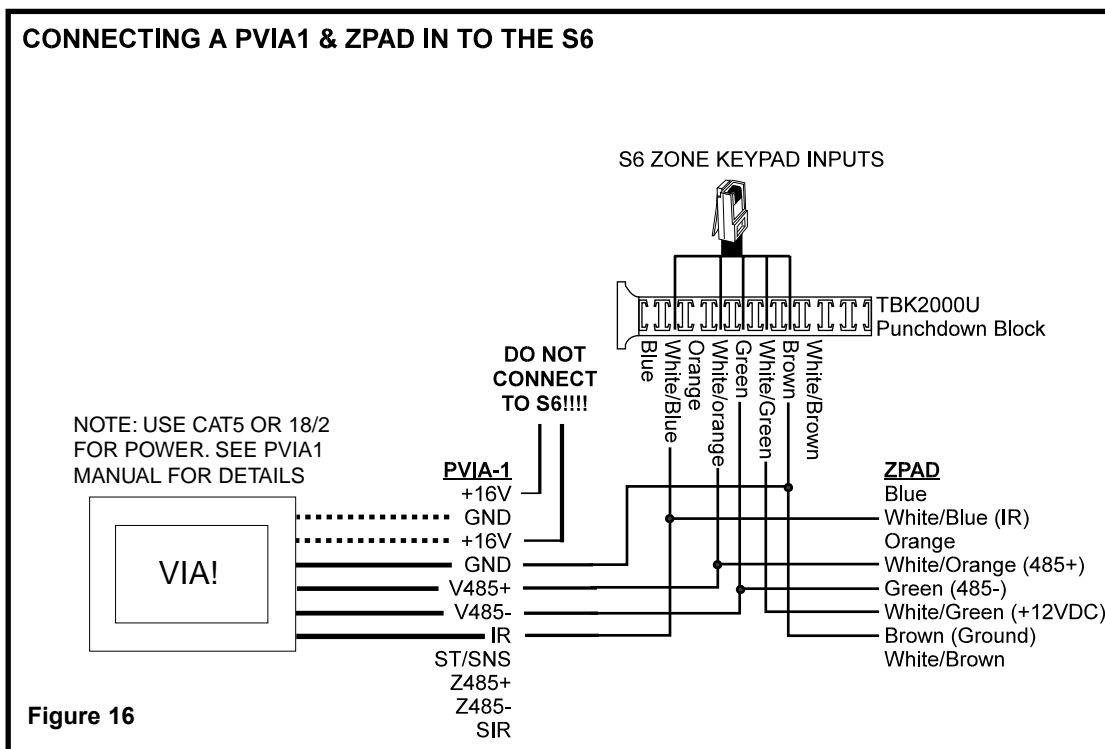
2.9 - CONNECTING A VIA! PANEL AND A ZPAD TO THE SYSTEM6 USING A PVIA1

As shown below - a VIA! Panel must be connected to (and powered by) a PVIA plate before being connected to the S6.

NOTE: The System 6's internal power supply IS NOT CAPABLE of powering a VIA! Panel! See the PVIA! Plate's manual for instructions on connecting VIA! Panels to PVIA's.

Connect the PVIA Plate to the S6 as follows:

1. Connect the VIA! Panel and ZPADS "IR, RS485+, RS485- and GROUND" wires to the S6 as shown below (See Figure 16).
NOTE: If multiple VIA!s will be connected to the S6 (using a PVIA4), the RS485+/- wires from ONLY ONE VIA! Panel need be connected to the S6. For all other VIA!s, only the IR and GROUND wires need to be sent to the S6.
2. The PVIA1 has its own power supply. **NEVER connect the +16V from a PVIA wall plate to the S6.** Doing so will damage the S6 and void the manufacturer's warranty.
3. Connect the +12VDC wire (White/Green) from the ZPAD to the S6.
4. **NOTE: See the PVIA1 manual for instructions detailing connecting a VIA! Panel to the PVIA1.**



SECTION 3 - TROUBLESHOOTING

3.1 - ZPAD OPERATION

SYMPTOM	POSSIBLE CAUSE	SUGGESTION
<ul style="list-style-type: none"> Keypad totally inoperative (no functions, no LEDs). 	<ol style="list-style-type: none"> +12V and/or GND wires are not terminated correctly. Max number of keypads per Zone or S6 exceeded 	<ol style="list-style-type: none"> Confirm connections (p. 11) Confirm load (p. 14)
<ul style="list-style-type: none"> Keypad controls S6 & sources, but LEDs won't correctly track sources. 	<ol style="list-style-type: none"> RS485+/- wires are terminated incorrectly Keypad DIP switches are incorrect 	<ol style="list-style-type: none"> Confirm connections (p. 11) Confirm keypad DIP switch settings (p. 12)
<ul style="list-style-type: none"> Keypad LEDs are lit, but will not control S6 or sources. 	<ol style="list-style-type: none"> IR (PIN 2) and/or GND (PIN 7) not connected 	<ol style="list-style-type: none"> Confirm connections (p.11)
<ul style="list-style-type: none"> Keypad LEDs are lit, controls S6, but won't control sources. 	<ol style="list-style-type: none"> Keypad not programmed IR emitters not connected properly 	<ol style="list-style-type: none"> Program keypad (Z090 or VIA! TOOLS manual) Ensure that IR emitters are connected to source and connected to the correct IR outputs (p.13)
<ul style="list-style-type: none"> Keypad controls wrong zone. 	<ol style="list-style-type: none"> Keypad connected to incorrect zone input 	<ol style="list-style-type: none"> Connect to correct ZONE input (p. 10-11)
<ul style="list-style-type: none"> Unable to control volume in a zone - volume is full blast 	<ol style="list-style-type: none"> Zone is set to "FIXED" 	<ol style="list-style-type: none"> Set zone to "VARIABLE " (p. 14)
<ul style="list-style-type: none"> Keypad's System LED winks slowly. 	<ol style="list-style-type: none"> Zone is in Do-Not-Disturb 	<ol style="list-style-type: none"> Press "MUTE" button on keypad to turn of the DND feature.

3.2 - INFRARED

SYMPTOM	POSSIBLE CAUSE	SUGGESTION
<ul style="list-style-type: none"> No IR pass-thru from IR receiver 	<ol style="list-style-type: none"> IR Tube not connected or IR Tube connector is upside-down 	<ol style="list-style-type: none"> Confirm IR Tube Connection (ZPAD manual)
<ul style="list-style-type: none"> System LED on keypad and/or IR activity LED on S6 flickering constantly or continuously lit. 	<ol style="list-style-type: none"> IR flooding Incorrect termination of +12VDC and/or IR Send wires 	<ol style="list-style-type: none"> Shade IR window with hand. If LEDs cease to flicker or go off, flooding due to ambient light may be the cause. Move IR receiver away from light source, or cover inside of IR window with a small piece of plain white paper. If IR activity LEDs remain lit, inductive interference is another possible cause. Check proximity to light dimmers or high-voltage lines. <ol style="list-style-type: none"> Confirm connections. It is possible that the +12VDC is inadvertently connected to the IR Send wire.

3.3 - AUDIO SOURCE CONTROL

<ul style="list-style-type: none"> No Source Control 	<ol style="list-style-type: none"> IR emitters are plugged into the wrong ports Keypad not programmed 	<ol style="list-style-type: none"> Confirm IR port connections (p. 13) Program keypad (see VIA! TOOLS or Z090 manual)
<ul style="list-style-type: none"> No audio when source is selected 	<ol style="list-style-type: none"> Zone set to "VARIABLE" in a zone with a volume control. The volume may also be turned down at the keypad Audio source not turned on Zone is in "MUTE" 	<ol style="list-style-type: none"> Set zone to "FIXED" (p 14) Ensure source is powered up and playing audio. Press "MUTE" on keypad

3.4 - TELECOM

SYMPTOM	POSSIBLE CAUSE	SUGGESTION
<ul style="list-style-type: none"> No Music-On-Hold 	<ol style="list-style-type: none"> Source #1 is not connected (or not playing) MOH cable not connected MOH output gain from S6 is turned down MOH input gain from Z600 is turned down 	<ol style="list-style-type: none"> Verify connection and that source is powered on. Connect MOH OUT from S6, to MOH IN on Z600 Adjust MOH gain pot on S6 (p 8-9) Adjust MOH gain pot on Z600 (p 8-9)
<ul style="list-style-type: none"> No Page/Door Chime 	<ol style="list-style-type: none"> Zone is in Do-Not-Disturb (System LED is winking slowly) PG/DB cable disconnected PAGE TRIGGER IN not connected 	<ol style="list-style-type: none"> Press "** MUTE" Connect PAGE IN on S6 to PAGE & DB OUT on Z600 Connect Control Output from Z600 to PAGE TRIG IN on S6
<ul style="list-style-type: none"> Page/Door Chime either too loud or too quiet 	<ol style="list-style-type: none"> PG/DB gain pot is set too high or too low on S6 or Z600 	<ol style="list-style-type: none"> Adjust gains on S6 and/or Z600 (p 8)

Limited Warranty

ELAN HOME SYSTEMS, L.L.C. ("ELAN") warrants the System6 ("S6") to be free from defects in materials and workmanship for two (2) years from the date of purchase. If within the applicable warranty period above purchaser discovers such item was not as warranted above and promptly notifies ELAN writing, ELAN shall repair or replace the items at the company's option. This warranty shall not apply (a) to equipment not manufactured by ELAN, (b) to equipment which shall have been installed by other than an authorized ELAN installer, (c) to installed equipment which is not installed to ELAN's specifications, (d) to equipment which shall have been repaired or altered by others than ELAN, (e) to equipment which shall have been subjected to negligence, accident, or damage by circumstances beyond ELAN's control, including, but not limited to, lightning, flood, electrical surge, tornado, earthquake, or any other catastrophic events beyond ELAN's control, or to improper operation, maintenance or storage, or to other than normal use of service.

With respect to equipment sold by, but not manufactured by ELAN, the warranty obligations of ELAN shall in all respects conform and be limited to the warranty actually extended to ELAN by its supplier. The foregoing warranties do not cover reimbursement for labor, transportation, removal, installation, or other expenses which may be incurred in connection with repair or replacement.

Except as may be expressly provided and authorized in writing by ELAN, ELAN shall not be subject to any other obligations or liabilities whatsoever with respect to equipment manufactured by ELAN or services rendered by ELAN.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED AND IMPLIED WARRANTIES EXCEPT WARRANTIES OF TITLE, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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To insure that consumers obtain quality pre-sale and after-sale support and service, ELAN Home Systems' products are sold exclusively through authorized dealers. *ELAN products are not sold online.*

The warranties on ELAN products are NOT VALID if the products have been purchased from an unauthorized dealer or an online E-tailer. To determine if your ELAN re-seller is authorized, please call ELAN Home Systems at (859)269-7760.