

Job: ELAN Manual
Size: 150 x 150 mm folded

05/20/2014 -> final print pdf

ELAN

Quick Install Guide – g1

6 pages each - Format: 150 x 300 mm (Metric !!)

Final Version English

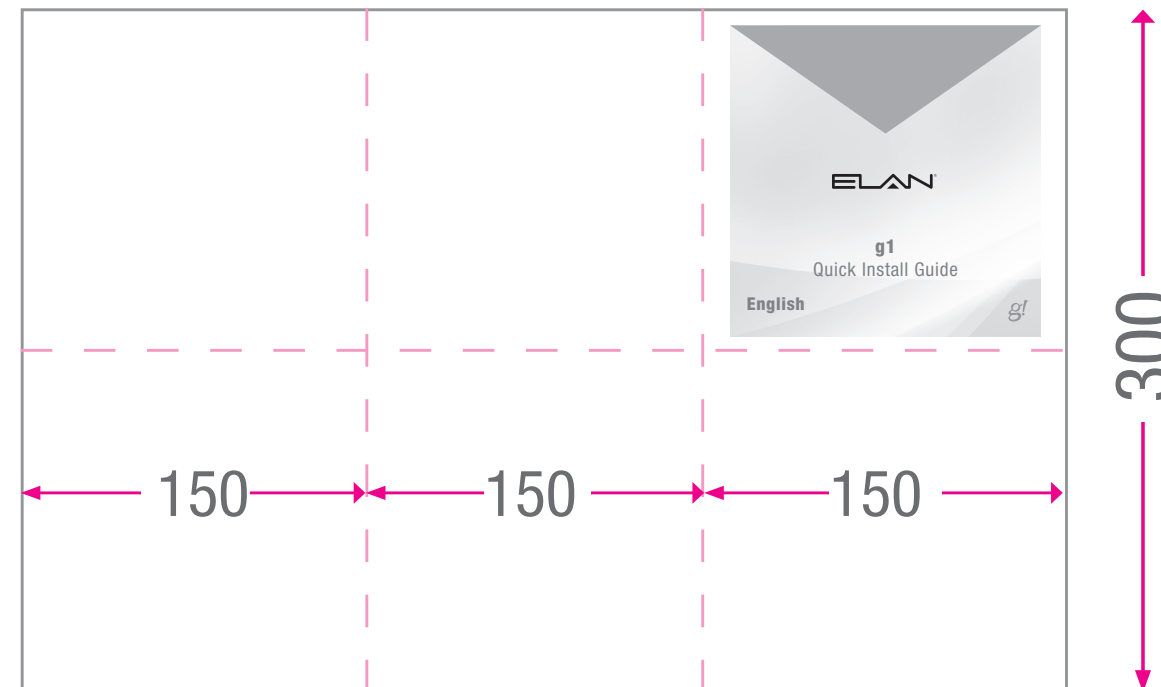
ONLY ONE MANUAL !

05/20/2014 – FR -> 2nd update

Questions?
Juergen 707 - 778- 5826

P/N 9901340 Rev. B 05/2014

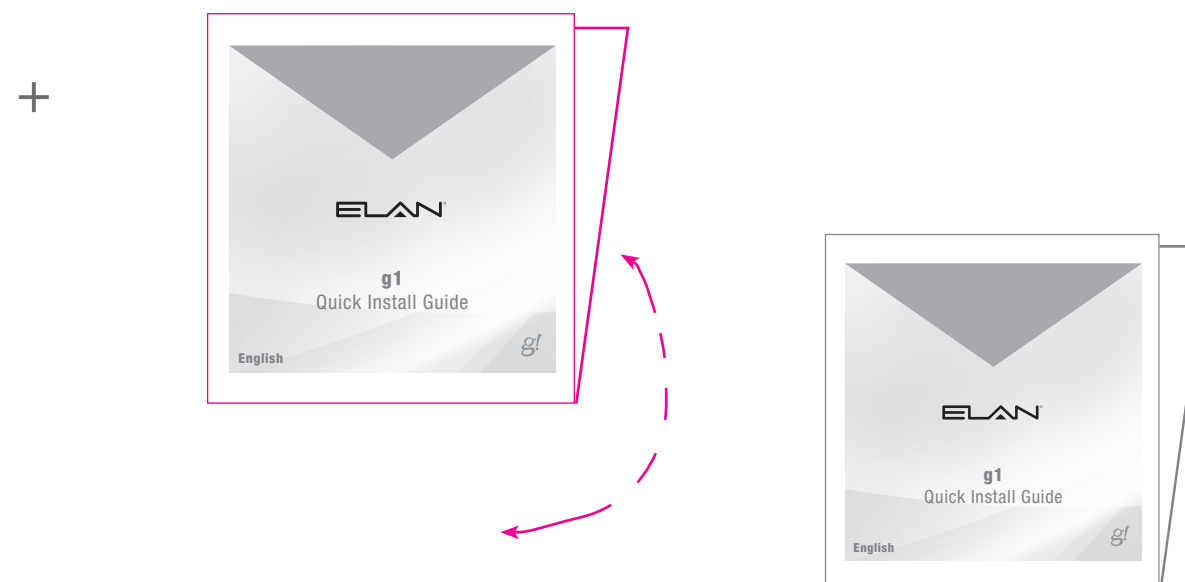
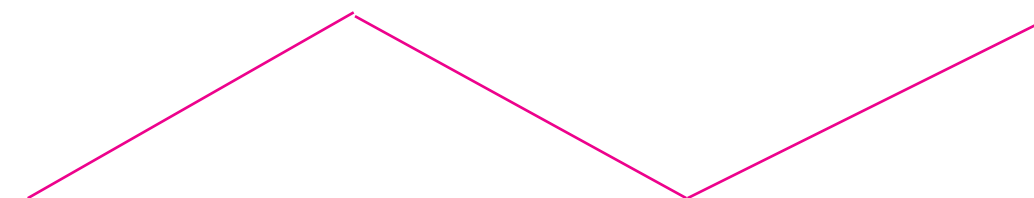
Folding-Method:



Folded size:
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Open:
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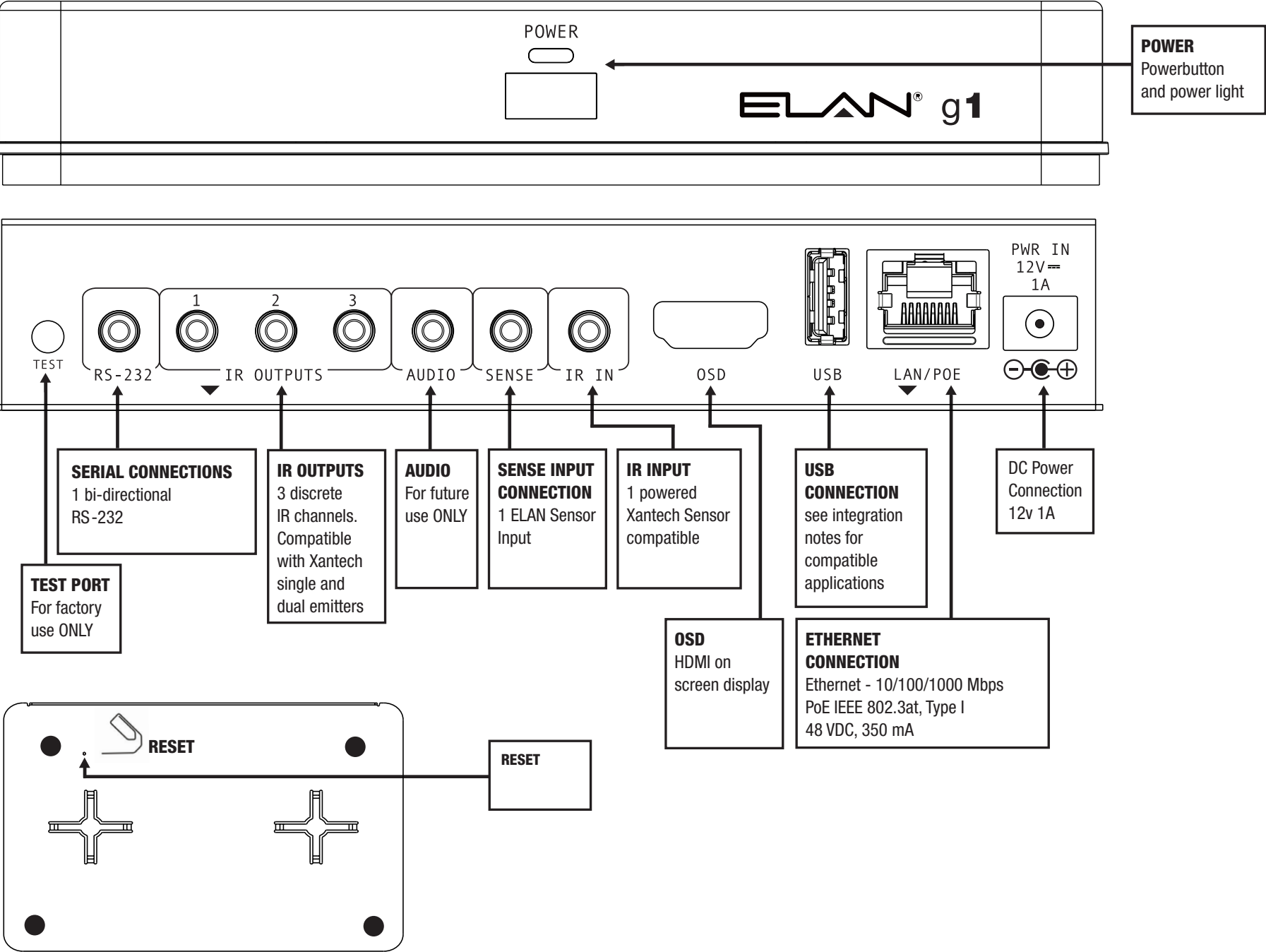
No bleed



g1

Rear Panel Connections

Dimension: 7-3/16" W x 1-1/4" H x 5-1/8" D (half rack) (182mm W x 30mm H x 130mm D)



FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Informations concernant l'exposition aux fréquences radio (RF):
La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite 'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal. Ce périphérique a également été évalué et démontré conforme aux limites d'exposition aux RF d'IC dans des conditions d'exposition à des appareils mobiles (antennes sont supérieures à 20 cm à partir du corps d'une personne).

Important Safety Instructions

1. Read, understand and follow ALL safety and installation instructions included in this manual. Failure to follow the included documentation may damage the product and will void manufacturer's warranty.
2. Follow ALL installation guidelines included with the product. Installation of the product in high humidity environments, in close proximity to heat sources and /or non-recommended locations WILL impede, interfere and/or damage the intended operation of the product
3. Only use attachments and accessories which have been specified for use by the manufacturer.
4. The use of abrasive, liquid or solvent based cleaning fluids WILL damage the product. Please refer and follow all Product Care instructions included with the product.
5. Product Servicing may ONLY be completed by authorized or certified service centers & personnel. For a complete list of product servicing options, please follow instructions included in the product documentation and /or contact original manufacturer for details.

FCC and IC Information:
This Class B digital apparatus complies with Part 15 of the FCC rules and with Canadian ICES-003 and RSS-210.

Operation is subject to the following two conditions:
1. This device may not cause interference and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003 et RSS-210. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

Warning:
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC and IC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the exemption from the routine evaluation limits in section 2.5 of RSS 102.

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters from user and bystanders.

Warning:
The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102, and users can obtain Canadian information on RF exposure and compliance from the Canadian Representative Product Solutions Group at Tel: (519) 763-4538.

To protect your equipment from power surges and momentary power interruptions we strongly suggest you utilize a battery-backed power supply (UPS) with this equipment.

ELAN recommends Panamax UPS and power conditioning products for use with your new g1. Unpack the g1. Verify that you have all packaging contents.

You should have received:

- a. g1
- b. 12VDC Power Supply
- c. Hand held g1 remote (P/N g1REM))
- d. IR sensor (Xantech P/N DL95)
- e. 3ea IR emitter (Xantech P/N 282D)
- f. 1ea 1/8" stereo mini to serial DB-9 adaptor (P/N 7600219)
- g. 1ea HDMI Retention Bracket
- h. Quick Install Guide (this document)

The g1 may be used as a standalone system controller with or as an Extender to any gSC controller or a HC controller running g!6.6 or greater. Please check the ELAN Training Guide for g1 control capabilities.

The ELAN g! Training Guide contains valuable hardware and software reference documentation and is considered an important supplement to this document. You would have received the training guide while attending g!School, however the ELAN g! Training Guide is updated regularly. Make sure you have the latest version by visiting the ELAN Dealer website at www.elanhomesystems.com and following the "dealer" link.

Note: The g1 does not have a ViaNET connection. If your installation has devices that require ViaNET communication you will need to connect an ELAN SC1 to the serial RS-232 port.

www.elanhomesystems.com

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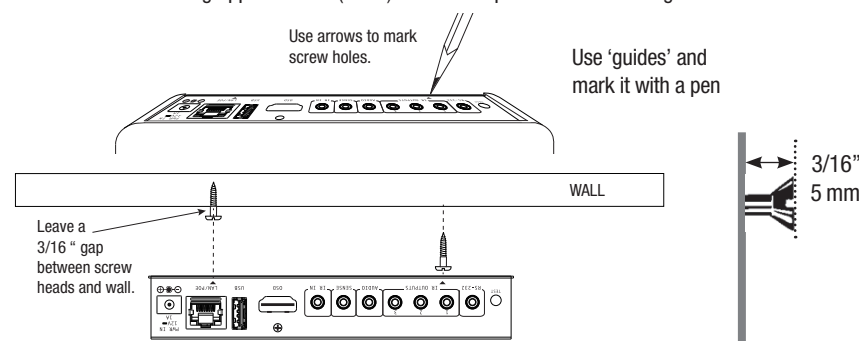
Mount the g1 in the desired location

The g1 is designed to mount on a shelf, hang in a cabinet or rack, or mount in a structured wiring enclosure.

Shelf Mounting: The g1 has rubber feet to protect finished surfaces. Set the g1 in a location that will allow you to properly manage connected wiring so that tension is not placed on the connections. The g1 is relatively small and wire tension will cause the unit to move and may cause wires to become disconnected.

Wall Mounting: The g1 chassis has been designed to allow convenient wall mounting in any orientation. The g1 wall mounts using standard "sheetrock" type screws (not included). It is recommended that the g1 be mounted to wood. When mounting the g1 to sheetrock, appropriate anchors are recommended.

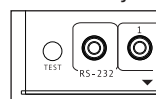
Arrows on the rear panel may be used to mark the location for the screws. Mark the screw locations, mount the screws leaving approx. 3/16" (5mm) of screw exposed and slide the g1 over the screws.



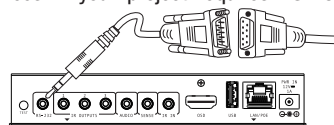
2

Serial Connections

Connect an RS-232 serial controlled device using the included 1/8" mini to DB9 adaptor. The g1 serial output is not compatible with RS-485 serial devices. If your project requires RS-485 connections you will need to use a gSC10 controller.

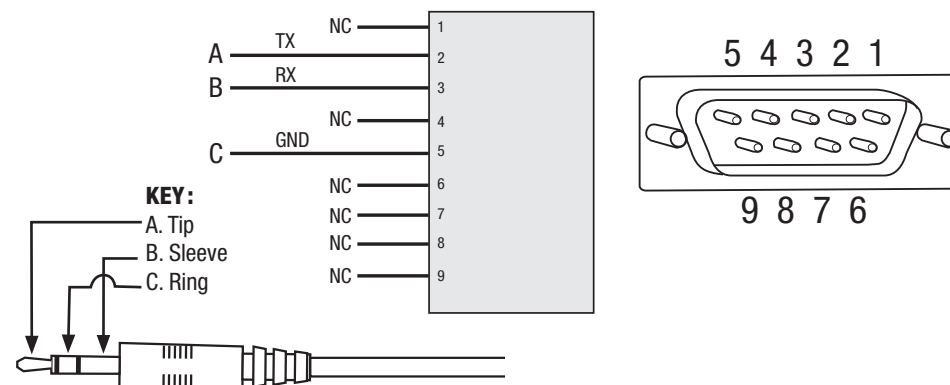


ELAN RS-232 Adapter:
P/N: 7600219



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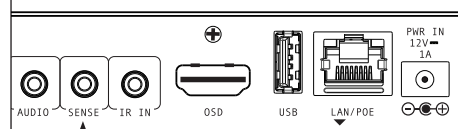
RS-232 wiring pin-outs are as follows:



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Sense Input Connection

ELAN sensors can be used to input a status from 3rd party devices. The status is binary, either ON or OFF. This can be used to trigger an event map or as a condition of an event map. Connect ONLY an ELAN sensor to this port.



3.5mm Mini-Plug

ELAN
CONTACT SENSOR

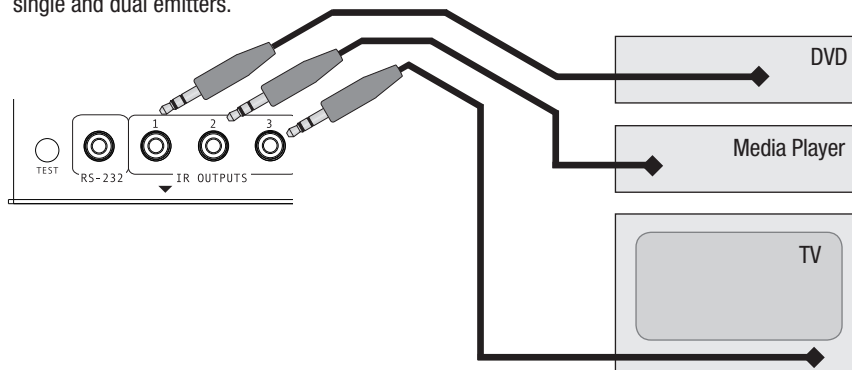
Relay/
Contact
Closure

ELAN Sensor
AUD Sensor P/N: AUDSENSOR
VID Sensor P/N: VIDSSENSOR
CT Sensor P/N: CTSSENSOR
CR Sensor P/N: CRESSENSOR
LT Sensor P/N: LTSENSOR
VT Sensor P/N: VTSENSOR

4

IR Outputs

Three discrete IR outputs are supplied to control third party devices. The outputs may be configured in g! programming to utilize a carrier or not. Each output is compatible with Xantech single and dual emitters.



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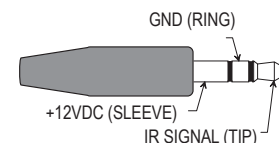
Audio Connection

The AUDIO out connection on the g1 is for future use.

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IR Input Connection

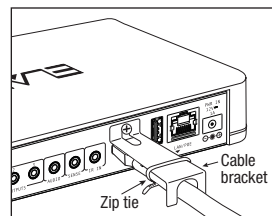
Plug the included Xantech DL95 IR sensor into IR IN. The g1 supplies power to the IR receiver. Other Xantech IR sensors are compatible with the g1 should your application require it. The g1 is fully compatible with ELAN's Wi-Fi hand held remote controls and smart device interfaces. If using one of these devices as the primary control interface for the g1 it is not necessary to install the IR sensor. **NOTE:** If you do not install the IR sensor the included IR remote will not work.



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OSD

The g1 supplies an On Screen Display (OSD) interface via HDMI. Connect the OSD output to an available input on either your monitor or your AVR. Note which monitor/AVR input is used. It will be needed when configuring the OSD.



Installing the HDMI Retention Bracket

A bracket is included to assist in keeping the HDMI cable plugged into the g1. After inserting the HDMI cable, remove the screw above the HDMI connector and use the screw to secure the HDMI Retention Bracket to the g1. Depending on the size of your HDMI cable you may need to use a small wire tie to hold the cable to the bracket.

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USB connection

Some accessories may be connected to the g1's USB connector. Refer to the ELAN Integration Note for the device prior to connection.

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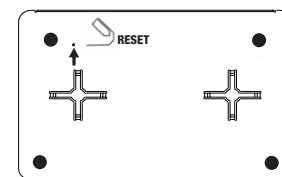
LAN/POE Connection

Connect the Ethernet connection to an available 10/100 Mbps port on the network. This is the preferred connection. The g1 may be powered over Ethernet (PoE). PoE connection must meet the minimum requirements of IEEE 802.3at, Type I (48 VDC, 350 mA).

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RESET Switch

Located on the underside of the unit is the recessed RESET switch. When pressed momentarily the RESET switch will clear the static IP setup and return the g1 to DHCP as well as reset the WiFi configuration to factory default. When pressed and held for more than 15 seconds the programming of the current g! software version will be reset to default. Pressing RESET while applying power will reset the software to the factory version.



WARNING! THIS CANNOT BE UNDONE!!!

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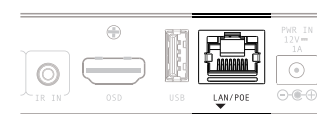
TEST

The TEST connection is for factory and repair access only. Do not plug anything into the TEST port. Plugging anything into the TEST port will void the warranty and release the magic smoke.

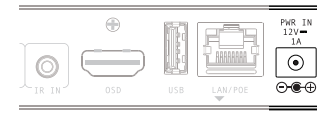
12

Power Connection

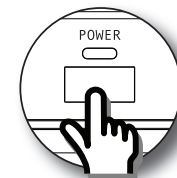
Once all other connections have been completed connect the 12VDC power supply or PoE Ethernet input and engage the power switch on the front of the g1.



PoE Connection



12V Power Connection



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Connecting to the g1 on your wired network

The g1 is set from the factory for DHCP networking, which means it receives its IP address from the network router. Use g!Tools to find the address and connect to the g1.

Connecting to the g1 on your wireless network

The g1's wireless radio may be configured by first connecting the unit to a wired network connection and following the wireless configuration instructions found in the ELAN g! Training Manual or using the OSD. To configure via OSD turn on the TV, select the g1 HDMI input, then point the g1 remote at the IR sensor and press ☺ then MUTE then ENTER in quick succession. Follow the on-screen instructions and using the g1 remote enter the appropriate network information. Once completed you will be able to access the g1 from your laptop and g!Tools using only the WiFi network.

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Software upgrade

Prior to configuring the product, upgrade the g1 software to the latest version of g! Core Module. Core Module can be found on the ELAN dealer website. The g1 is not compatible with g! Core Module releases prior to g!7.0.