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)

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**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 abusive, 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.

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**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.

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**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.

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**Important Notice:**

This 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.

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**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.

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**English Quick Install Guide**

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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:

1. g1
2. 12VDC Power Supply
3. Hand held g1 remote (P/N g1REM)
4. IR sensor (Xantech P/N ELIR)
5. Sea IR emitter (Xantech P/N PIR22)
6. 1ea HDMI Retention Bracket
7. 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 g6.6 or greater. Please check the ELAN Training Guide for g1 control capabilities.

The ELAN g1 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 gSchool; however, the ELAN g1 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 VoFaNet connection. If your installation has devices that require VoFaNet communication you will need to connect an ELAN SC1 to the serial RS-232 port.

www.elanhomesystems.com

Mounting 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.

Serial Connections

Connect an RS-232 serial controlled device using the included 1/8” mini to DB9 adapter. 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.

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.

Audio Connection

The AUDI o ut connection on the g1 is for future use.

IR Input Connection

Plug the included Xantech ELIR 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.

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.

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 1 (48 VDC, 350 mA).

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 g1 Training Manual or using the OSD. To configure via OSD turn on the TV, select the g1’s HDMI input, then press the g1 remote at the IR sensor and press ‘reset’ 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.

Software upgrade

Prior to configuring the product, upgrade the g1 software to the latest version of g1 Core Module. Core Module can be found on the ELAN dealer website. The g1 is not compatible with g1 Core Module releases prior to g7.0.