

AC Power Connection

VIA!Net Connections
 Connect to PPVNs and VIA!Net devices like the M86A. **Uses the ELAN standard color code.**

Sense Input Connections
 Connect to Sense Input connections on the PPWM.

IR ALL Port Out
 EXTERNAL IR Input

OSD Output & Passthrough for component video from A/V Controller to a monitor.

Activity Indicator LEDS

IR Link Connection
 Use the supplied DB15 cable from the HC6 to the PPWM.

 Be sure to connect the PPWM's power supply when using the DB15 cable.

Serial Connections
 6 RS232 and 2 RS485 ports.
 Connect to PPIS panels and/or to the PPWM.
 Connect to serial controlled devices using the supplied DB9-RJ45 adapters.

Relay Connections
 Note: Only Room 1-4 punchdowns on the PPWM have relay connections.

IR Outputs
 Connect to IR Output connections on the PPWM and / or to IR controlled devices located in the rack.

Audio Outputs
 Connect to Source Inputs of the A/V Controller.
 Provides audio out for the Internal Player.

Ethernet Connection
 USB Connections

When using the DB15 connection do not connect 3.5mm mono cables between the IR Output connections of the HC6 and the PPWM.

ELAN[®] HC6

Quick Install Guide



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

DO NOT connect the AC power cord until all other connections have been completed.

1 **Unpack the HC6.** Verify that you have all package contents. You should have received:

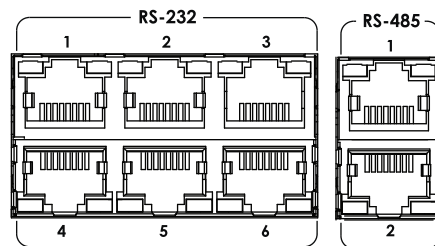
- HC6
- AC Power cord
- HCREM Remote
- AAA Batteries (2)
- DB-15 Male-Female Cable
- DB9 Male to RJ45 Adapter (6)
- Safety Sheet
- Quick Install Guide (This Document)
- Rack Mounting Ears (2)
- Rack Ear Mounting Screws (8)

The complete HC6 Installation manual can be found by going to www.elanhomesystems.com and following the dealer link. Precision panel documentation is also located on the dealer site.

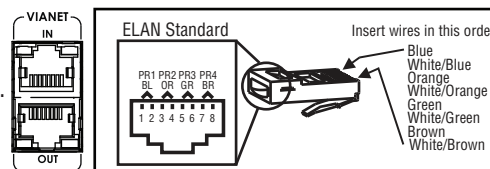
2 **Mount the HC6** in the desired location. Use the included rack ears and screws if mounting in an equipment rack.

When choosing the location for the HC6 keep heat management and ventilation in mind. The HC6 should not be directly located above heat sources such as amplifiers. When possible the HC6 should be mounted at the bottom of the gear rack. In very warm locations (i.e.: enclosed rack or cabinet) leave a rack space above and/or below the HC6.

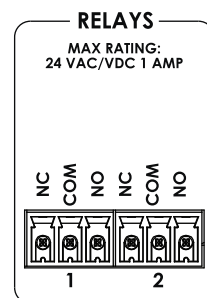
3 **Serial Connections**
Connect up to 6 RS232 controlled devices using the included DB9 to RJ45 adapters. Two RS485 ports are also available for a total of 8 serial ports. Connect serial inputs from PPIS panels when using GCIREs. Connect serial control outputs to the PPWM RJ45 connections for serial controlled devices located in zones. Suggested Cat5 wiring is 568 for the RS232 port connections to the DB9-RJ45 adapters. Refer to the Integration Notes for Cat5 wiring for devices connected to the RS485 ports.



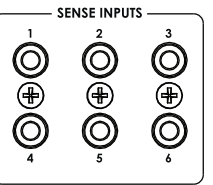
4 **VIA!Net Connections**
Connect to PPVN precision panels to provide VIA!Net communication for TS2 user interfaces. Connect to VIA!Net controlled devices like the M86A. Use the ELAN standard color code for this connection.



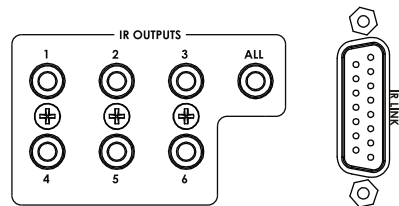
5 **Relay Connections**
Connect to the PPWM precision panel to activate relay controlled devices like lifts, drapes and movie screens located in the zones. Connect bare leads using the screw down terminals to 3.5 stereo minis connected to the PPWM. Only Room connections 1-4 on the PPWM have relay connections. Accepts up to 24V AC or DC and current of up to 1 amp.



6 **Sense Input Connections**
Connect to the Sense Input connections of the PPWM using 3.5 stereo cables. This allows ELAN sensors connected to PPRMs to be used to trigger events or to be used when conditionals are required in programming. The connection from the HC6 provides power for the sensor. Optionally, sensors may be connected directly to the HC6 sense inputs.



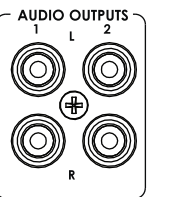
7 **IR Output Connections**
Connect to IR controlled devices at the head end or by using the PPWM to connect to IR controlled devices located in zones. Use 3.5 mono cables to connect to the PPWM. If more than six IR controlled devices are to be used connect the DB15 cable from the HC6 to the PPWM. An IR ALL port is also provided.



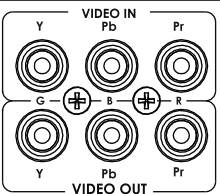
8 **EXTERNAL IR Input Connection**
Connect to the EXT IR IN connection of a PPVN or the PPWM. This connection allows the HC6 to receive IR input from a TS2's IR receiver (through the PPVN) or from an IR sensor connected to a PPRM, PPIS or PPIR (through the PPWM). If you need to connect both the PPWM and a PPVN to the EXT IR In of the HC6 an IR connecting block can be used.



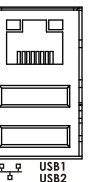
9 **Audio Output Connection**
Connect to the source inputs of the A/V Controller. These are the line level audio outputs of the Internal Player.



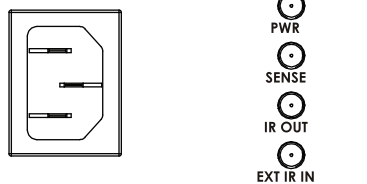
10 **Video In/Out Connections**
Connect the Video Output to the component input of a monitor to provide the On Screen Display of the HC6. Connect the Video Inputs to the component video output of the A/V Controller to allow video to loop through the HC6 when the OSD is not being displayed.



11 **Ethernet and USB Connections**
Connect the Ethernet connector to a switch or router to allow the HC6 to communicate on the network. Connect the USB connection to the dial-up modem for Voice Mail applications.

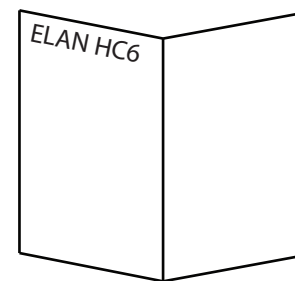


12 **Connect AC Power Cord**
Verify the HC6 is powered using the Activity Indicator LEDs.



13 **Verify the HC6 is on the network**
Using the g! Configuration software verify the HC6 is on the network. You can also "ping" the HC6's IP address from a computer that is on the network. The HC6 comes from the factory as a DHCP client. We recommend changing the IP address using the "Config IP Info" button on g! ConnectPro to a dedicated static address **outside** of the DHCP range of your network.

INSTR, INSTL HC6
LINEAR P/N 9901083 REV: C
INK: BLACK
MATERIAL: 60 LB WHITE PAPER
No. PAGES: 2 Pages (Front and Back)
SCALE: 1-1
SIZE: 11.0 x 17.0
FOLDING: SEE ARTWORK • "ELAN HC6" SHOWS ON FRONT
Final Dimension: 11 x 8.5
NOTE: ARTWORK CREATED BY ELAN HOME SYSTEMS
THIS MANUAL MUST BE RoHS COMPLIANT



Fold 1