

CUDA ELECTRONICS, INC.

Hasley Estates, Low-Voltage Manual

Plan 3

HASLEY ESTATES, LOW-VOLTAGE MANUAL

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Prepared by:



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Audio

Family Room

The family room is pre-wired for:

- 7-channel surround sound system
- Multi-zone audio to Master Bedroom

7 - Channel Surround Sound

The surround sound wiring consists of 16 AWG, copper, stranded, speaker wire and is run from behind a blank plate in the media niche to six locations in the ceiling. The wire is laced between the studs to make them easy to locate with a toner or a fish tool. The locations of the wires are marked on the ceiling by a small white plastic plug.

Note: The effect channels also continue to run to the center (126" from outside wall.) This allows for the use of one center effect channel instead of two speakers.

The family room also includes one shielded coaxial cable for the subwoofer, which runs from behind the telephone jack on the back wall to a blank plate in the media niche.

Multi-Zone Audio

The family room includes a 16/4 speaker wire and Category 5 wire from behind a blank plate in the media niche to a blank plate on the wall in the master bedroom, located near the light switch. This wire is to drive a volume control from the system in the family room.

Also, It includes a 16/4 speaker wire and Category 5 wire from behind a blank plate in the media niche to the wiring enclosure. The purpose of this wire is to allow for future system expansion. This wire may be accessed from the attic and run to other upstairs rooms for additional speakers.

Note: The purpose for the Category 5 wire is to allow for Infrared remote control.

Master Bedroom

The Master Bedroom is pre-wired for:

- 2- channel stereo system
- Multi-zone audio from Family Room

2 - Channel Stereo

The 2-channel sound wiring consists of 16/4 speaker wire and Category 5 wire from behind a blank plate near the video outlet to the volume control location near the light switches. From there two 16/2 AWG, copper, stranded, speaker wires run to the ceiling and is laced between the studs to make them easy to locate with a toner or a fish tool. The locations of the wires are marked on the ceiling by a small white plastic plug.

Note: These speakers may also be used as the rear surround channels.

Multi-Zone Audio

The Master Bedroom includes a 16/4 speaker wire and Category 5 wire from behind a blank plate in the media niche to a blank plate on the wall in the master bedroom, located near the light switches. This wire is to drive a volume control from the system in the family room. The wiring will allow for the speakers to be used as multi-zone or surround sound with the installations of a source selector.

Note: The purpose for the Category 5 wire is to allow for Infrared remote control.

Video

All Rooms (*excludes Dining/ Living Room*)

Satellite/Antenna

On the Southeast facing side of each home is a blank plate, which houses five RG-6 coaxial cables. These cables run to the wiring enclosure. Most satellite systems use up to four coaxial cables to drive four or more televisions. The fifth wire may be used for a FM antenna, high definition antenna, or standard off-air television antenna.

All rooms have two RG-6 Coaxial cables located behind the TV outlet. These cables all run to the wiring enclosure. This is where one of the two is to be connected to the satellite source. Both cables may be used to connect a dual source satellite receiver. Bedroom 6 has a second set of coaxial cables behind the phone jack plate.

Cable

On the side of the garage there is a box labeled "Television." There are two RG-6 coaxial cables in this box. They run to the wiring enclosure, where they may be distributed to rooms requiring cable TV. At this time, it is unclear whether the neighborhood is wired for cable TV.

All rooms have two RG-6 Coaxial cables located behind the TV outlet. These cables all run to the wiring enclosure. This is where one of the two is to be connected to the cable source. Bedroom 6 has a second set of coaxial cables behind the phone jack plate.

Distributed Video

Because only one of the two RG-6 coaxial cables will be used for satellite or cable it leaves one cable unused. This unused cable may be used for a number of features. Such as a camera system or shared satellite receiver.

Network

All Rooms *(excludes Kitchen/Nook, Dining/Living Room)*

All rooms are pre-wired for:

- File/Printer/Internet Sharing
- DSL

File/Printer/Internet Sharing

Each room includes two category 5e cables located behind the TV outlet and run to the wiring enclosure. One of these cables is intended to be used as a computer network cable. In order to use this feature the cables need to be terminated in the room needed and in the wiring enclosure. If more than two computers are going to be connected together a hub is required. The hub may be placed in the wiring enclosure. If the purpose of the network is to share Internet connections, then a router/hub is required.

Note: Bedroom 6 has a second set of category 5e cable behind the phone jack plate.

DSL

Two category 5e cables run from a box on the side of the garage labeled “Telephone”. These cables run to the wiring enclosure. One of the two is intended to be a separate line for high-speed Internet, such as DSL. A modem is required to use DSL. Usually, this modem is ordered from Pacific Bell. The modem may be placed in the wiring enclosure; there it may connect to one room or a router/hub.

Phone

All Rooms *(excludes Dining/Living Room)*

All rooms are pre-wired for:

- Multi-Line
- Multi-Location

Multi-Line

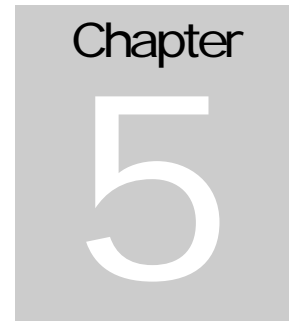
Each room (except the family room) includes a single category 5e cable, which runs from a phone jack to the wiring enclosure. In the wiring enclosure, the cable is terminated on a wiring Telecom Module. One of the two category 5e cables running from the side of the garage is terminated to the Telecom Module as the source.

Category 5e cables include 4 pairs of wire. This means that PacBell may provide you with 4 different phone numbers using that one cable. If more numbers are required the second (DSL) category 5e cable may be used, which makes 8 possible phone numbers.

The jacks are wired for one phone number each. In order to use a multi-line phone the jack must be re-wired accordingly.

Multi-Location

Each room also includes a category 5e cable behind the TV outlet. This cable runs to the wiring enclosure, but is not terminated. The purpose of this wire is to allow for the phone outlet to be moved to the other side of the room or offer a phone jack for satellite receivers or TIVO. Note: Bedroom 6 has a second set of category 5e cable behind the phone jack plate.



Alarm

Doors/Windows

All walk-thru perimeter doors are pre-wired for alarm contacts. These wires run to a blank plate next to the wiring enclosure. Windows are not pre-wired. Window entry is to be monitored by motion detection.

Fire

An alarm wire is pre-wired near the smoke detector. The smoke detector may be changed to allow for remote fire monitoring service. The wire also terminates next to the wiring enclosure.

Keypads

Three locations are pre-wired for alarm keypads. They are next to the garage door entrance to the house, next to the front door, and next to the light switches in the master bedroom. These locations are not marked or labeled. The wire is laced in the wall and runs next to the wiring enclosure.

Siren

The house is pre-wired for a siren, located in the attic and wired to the plate next to the wiring enclosure.

Communication

An alarm panel may be connected directly to the Telecom Module in the wiring enclosure to allow for remote burglar monitoring.

Motion

There is a motion detector location pre-wired in the stairway, but is not labeled or marked. The wire is laced in between the studs for easy toning or fishing.

Contact Info

For more information about your homes Audio, Video, Data, Voice cabling or to schedule a quote for custom cabling, please contact:

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For more information about your homes Alarm cabling or to schedule a quote for alarm installation and monitoring, please contact:

All Systems Go

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