

# BUILDING A HOME



## CONSIDERATIONS FOR FUTURE PROOFING YOUR HOME

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If you are building a home, you probably want to plan it for home electronics now, and in the future. Here are some simple things to consider:

- Will you want music around the house?
- Will you have a computer or more than one computer?
- Will you have TV via antennae, cable, satellite or all of these?
- Will you want room-to-room control?
- Will there be adequate telephone jacks?
- Will there be a home theater? With surround sound?
- Is paging, door answering a consideration?
- Would you prefer one set of controls for lighting, temperature, music, video, etc?

Lots of decisions to be made. However, these decisions are typically not high on the priority list of a new home owner during the early stages of building a home. Thinking about the modern conveniences of home electronics is sometimes put off until it is too late or at the very least much more costly. If you examine a few of your preferences before the drywall goes up, your electronic “after life” can be a lot more fulfilling.

## THE POSSIBILITIES

Most people's thoughts on home electronics are limited by their knowledge of what is possible. Here are a few thought-provoking possibilities:

- Different Music in Every Room
- Answer the Door from the Phone
- Mute Music when Phone or Chimes Ring
- One Set of Controls...That's Really Cool
- Keep an Eye on the House
- Great Video and Better Sound
- Share the Home Theater with the Rest of the House



## KNOWING WHAT TO ASK

### Pre Wiring Your New House

Most builders are not electronic specialists. They certainly know more about home construction than about home systems. That is why you will need to be persistent in most cases to get what you want. Many builders focus only on TV and telephone outlets and their placement. You may need to make sure you are getting all that you need and want.

### TV & Telephone Wiring Outlets

TV and telephone outlets should be home run to a central location (that is, each wire should terminate at a common central point). This facilitates easier changes in the future and provides the purest signal quality. For telephone, ask for data grade, category 5 wiring. This will serve your internet requirements better. For TV, the RG-6 or Quad 6 cabling is superior and carries a higher bandwidth rating as well. Some people often ask about fiber optics. This cable is generally more expensive and competing standards do not necessarily make it a wise choice. With the great number of coax and telephone wired homes, the best bet is CAT5 and RG-6.



## Beyond TV & Telephone

Many wise homeowners think ahead and make sure that, during the building process, future capabilities are taken into consideration. Audio wire, control wire, doorstation, cameras, automation and local networks are all possibilities. Wiring for them may be the best money you spend on the “infrastructure” of the home. This is where you will need to make sure you have a wiring specialist to ensure success. Taking the time to map out these possibilities is well worth it, but don't delay... the framers are moving quickly!

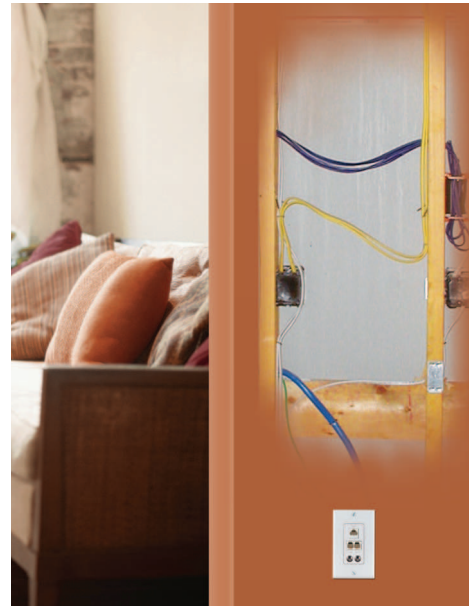
## SUGGESTED WIRING & OPTIONS

### Pre Wiring Your New House

Wiring for an ELAN home is simple and straightforward. Commonly available wiring is used. ELAN's commitment to open design gives the homeowner many choices for equipment connection.

All wires should be home run to a central location (such as a utility closet, entertainment center or similar location). Generally, telephone and TV wiring can be separated from the audio wiring but many homes choose one central location. Here are some simple suggestions:

1. Run CAT 5 or better wire for telephones and data lines. This will provide for four lines to each location.
2. Run RG-6 or Quad 6 coax to all TV and touch panel locations. Dual runs of these wires make future expansion a possibility.
3. When running audio wires run four conductor (16/4 or better) Through all keypad, volume control and touchpanel locations. This provides the best flexibility in the future. Then run 16/2 to each speaker location.
4. Run CAT 5 for control wires to each keypad, volume control And touch panel location. This will allow IR and network control of these devices.
5. Incoming service lead wires will need to be run for telephone, cable, satellite, door speakers and any cameras.
6. If a computer network such as a LAN is planned, run separate CAT 5 wire for this purpose.
7. If lighting control is a desired upgrade, most manufacturers have control wires that need to go to the control locations of your choice.
8. Control wiring for security and HVAC systems should consider interface wiring for house wide control systems.



Make sure no wires are run in close approximation of electrical wires. They should never use the same routing holes or be run along side of electrical wires. It is always a good idea to layout the desired locations on a blueprint. This will help you visualize what is needed where.

Installation costs for wiring vary and some installers charge by the drop or run. Generally speaking, installers do not make their profit on wiring alone. And, many times the wiring quote is made with the finished project in mind. Most installers do not want to install systems when the wiring has been done by the homeowner or another dealer. This is simply a question of not wanting to be responsible for someone else's work. Because wiring is a small part of the cost of a total system, it is wise to have it professionally done.

### **Need to find an ELAN Dealer?**

Please call 859-269-7760 or email: [elan@elanhomesystems.com](mailto:elan@elanhomesystems.com).