

# WIRING A HOME WITH BEK

1 Due to the continuing changes in technology, any home in which the wiring closet (the point where all home networking terminates) is not adjacent to an outside wall, **a path between the interior wiring closet and the outside of the home should be created. A one (1) inch schedule 40 conduit would be preferred.** This will eliminate the need for an electrician to pull a Cat 5E and coax from the wiring closet to the outside of the home as this could now be run through the conduit. Termination of the conduit should be adjacent to the power entrance where other common utilities are present.

2 A minimum of one (1) Cat 5E cable and one (1) RG6 coax appear at each location you may intend to place your TV or computer. These two cables should be home run to the wiring closet. They should be terminated with an F connector and data jack at that location and likewise in the wiring closet.

3 Phone connections should be considered throughout the home and a Cat 5E wire should also be run to support this application. It is suggested that a coax wire also be pulled to these jack outlets if TVs could be located in the same area. Again, home run these wires - **do not daisy chain outlets.**

4 Here are a few other things to consider:

- Appliances, such as refrigerators, are becoming networkable.
- In a home office environment, printers, fax machines, phones and other networkable devices may require data cabling. Install a separate wire for each intended device in the wiring closet, as consistent with the rest of the home network. A minimum of four (4) Cat 5E wires to a home office is recommended.
- IP based surveillance cameras are becoming more affordable and also require a Cat 5E network cable installed between the camera location and the wiring closet.

5 Please call BEK Communications with any questions you or your electrician may have before the wiring of your home is complete. We will discuss your applications and any issues you may have before your walls are enclosed, which makes some wired installations nearly impossible.


**See reverse side  
for wiring diagrams.**

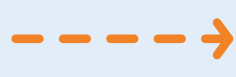


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# WIRING DIAGRAMS

**KEY**

 = Data/TV outlet location

 = 1 RG6 Coaxial Cable & 1 Cat 5E Data Cable

