

CATEGORY 5 (CAT 5) WIRING FOR ETHERNET ONLY

The following setup will be used when wiring a:

1. Spotline (TCP/IP) Base Setup, connected to a Ethernet Hub
2. Ethernet Hub, connected to a Cat 5 Punchblock
3. Ethernet Punchblock, connected to a Biscuit (Telephone)
4. Ethernet Switch or Hub, connected to a Main Host Machine
5. Ethernet Hub, connected to a Network Card

1. Strip the Cat5 wire back approx 2 inches (and or a desired length). When completed, you will need to separate the wires in the following order, making sure to keep them as straight as possible.

Note: Sometimes you may need to utilize a pair of Needle Nose pliers for keeping your wires straight.

- a. White and Orange Cable
- b. Orange Cable
- c. White and Blue Cable
- d. Green Cable
- e. White and Green Cable
- f. Blue Cable
- g. White and Brown Cable
- h. Brown

(SEE THE DRAWING)

2. While holding the stripped cable in your hand (with the stripped end facing away from you), start the wiring sequence from your left to right (a to h).
3. Pick up the appropriate 8 wire plastic clip (RJ45 plastic end), and with the modular locking tab facing down (or away from you), slide the clip (open end first) over the straight and sorted wiring.
4. When completed with the above application, repeat the same application for the other end of the cable.

Directions for Making the CAT5 Network Cable

1. White with orange
2. Orange
3. White with green
4. Blue
5. White with blue
6. Green
7. White with brown
8. Brown

Hold the wires in your hand from left to right (in numerical order starting in sequence with white orange, orange, white blue, green, etc... Place the wires inside your new RJ45 modular clip, with the locking tab facing away from you (or downward), then crimp. Finish by putting the clip on the other end using the same procedure.

Directions for Making the Null Ethernet Network Cable

- 1.White with green
- 2.Green
- 3.White with orange
- 4.Blue
- 5.White with blue
- 6.Orange
- 7.White with brown
- 8.Brown

Hold the wires in your hand from left to right (in numerical order starting in sequence with the following cable order white orange, orange, white blue, green, etc... Place the strands inside an RJ45 modular clip with the locking tab facing away from you or downward, and crimp. Finish by putting the clip on the other end using the procedure for a CAT5 cable.

Ethernet cabling and where to apply its usage

SPOTLINE TO HUB
HUB TO PUNCHBLOCK
PUNCHBLOCK TO BISCUIT
SWITCH/HUB TO MACHINE
HUB TO NETWORK CARD

Null Ethernet cable and where to apply its usage

MACHINE TO MACHINE
HUB TO HUB
SWITCH TO SWITCH
HUB TO SWITCH
ETHERNET MERCURY TO SPOTLINE