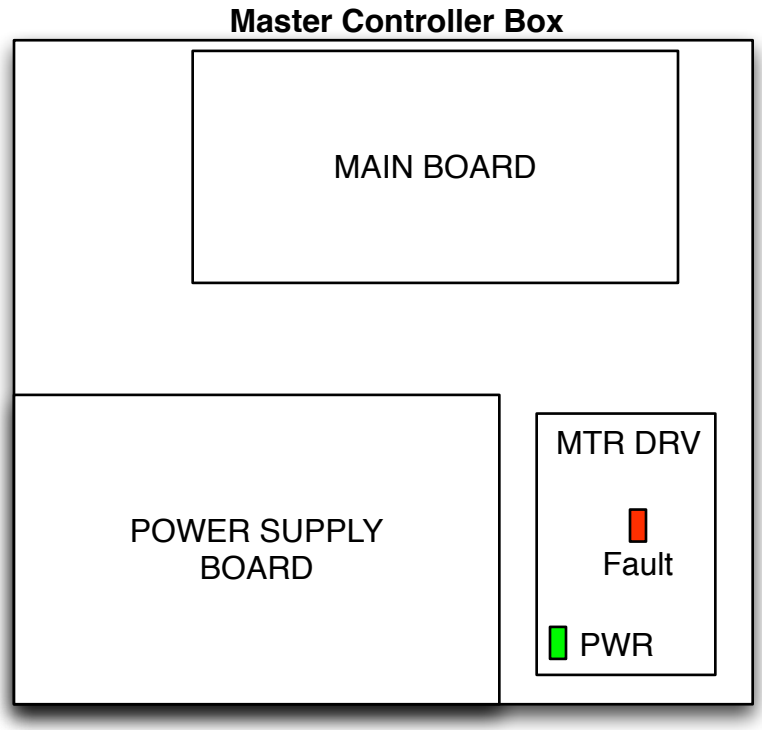
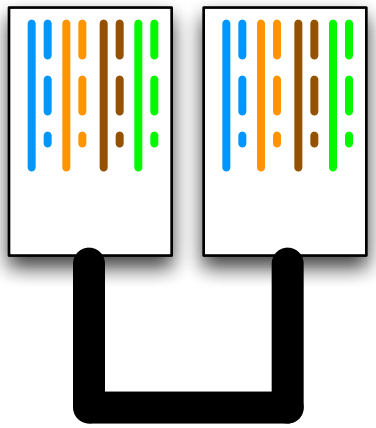


CAT5 wiring example

Use pairs from left to right.
No crossover.



Troubleshooting the FAULT LED ERROR on the motor driver PCB:

On the bottom right hand corner of the master controller, look at the motor driver PCB for LED activity upon power up. If the motor is connected properly, there will ONLY be one LED that turns on right away on power up, it is the lower left GREEN LED on the Motor driver board. The PWR LED indicates that the motor driver board has 24volts and that the fuse is not blown. If a RED LED near the middle of the board is ON right away on power up, then there is a connection problem between the master controller and the motor. The issue may be that the CAT5 cable is damaged or cross wired, or maybe connectors or wires are damaged on the motor, etc. On the motor, there are 5 wires that are associated with this error attached to the small circuit board on the motor with a 5 pin connector: Black, Red, Blue, Green, and White. The order of the colors are Black, Red, White, Green, Blue. Be sure that the CAT5 cable to the motor is wired 'straight through', with no crossover. Do NOT use store-bought CAT 5 cables. Keep all pairs together, do not split any wires out of a pair. Each end of the CAT5 cable should be identical colors, not mirrored colors.

When the connection problem is resolved, on power up the motor driver board will only have the PWR LED lit up right away. The master controller on boot does several diagnostic routines. If the RED FAULT LED is LIT right away on boot up, the system can never boot up. First check that the MOTOR LOGIC cable is plugged between the master controller and the motor. It may be required to plug in the connector on each end several times to insure the copper connections are cleaned. Plug in the cable on each end 10 times to clean the connections on the cable. Also, inspect that the 5 wires from the motor are secure in the plastic connector. Gently pull on each of these 5 wires to see if one may have been broken, in which case the wire may pull out of the connector.

If the CAT5 cable from the motor is plugged into any other port on the master controller besides the MOTOR LOGIC PORT, there is a risk of damage to the motor or master controller. Likewise, having any wires crossed over in the CAT5 cable may cause damage. Do NOT use ethernet cables used for internet purposes. The Dado Door CAT5 wiring scheme does NOT follow any standard CAT5 wiring protocols.

If the motor is running rough:

1. There is a chance the the motor has been damaged due to either plugging in the Motor Logic Port or having wires crossed over in the CAT5 cable.

2. There is a bad connection on the Motor Logic CAT5 cable that is producing a FAULT ERROR on the motor driver.

The way to determine if there is a motor problem or Motor Logic connection problem is to follow these diagnostic steps:

1. Turn off power
2. Disconnect the heavy 3 conductor cable from the Master Controller that goes to the motor.

3.Turn on the power and immediately hold down the far right button on the Master(Setup/Menu button). Hold the button until the screen displays "Main Menu". Then release the button. The RED LED on the button should remain ON.

Slide the door by hand and watch the Motor Driver board for the RED FAULT LED. If the RED FAULT LED is ON all the time, or the RED LED is flashing in a specific on/off pattern as the door is being moved, then there is either a. damage to one of the sensors on the motor or b. a bad connection between the Master and the motor that is being perceived by the motor driver as damage to one of the sensors on the motor. Verify all connections, reconnect the Motor Logic CAT5 at least 5 times to clean the contacts, then retry this test.