

The cable that connects the command station to the first UTP-CAT5 panel may be wired to the front of the UTP-CAT5 or connected to the rear using an NCE 8 Wire Adapter (524-235). You can also make your own 8 wire to 6 wire adapter cable using the "Home Made Adapter Cable" diagram on the reverse page.

Standard Cat5 cable is used. Do not use "Crossover" cables.

Command Station, Cabs or Radio Base Station can be plugged in to the front of the panel.

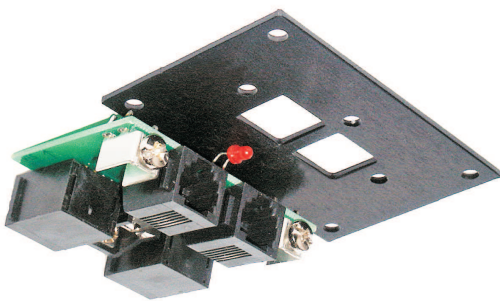
See reverse page for several hook up procedures and designs.

The red LED provided lights when there is Cab Bus power.

Additional power for the Cab Bus can be added to the socket in between the Cat5 sockets. We suggest a 1/2 to 1 Amp, 12Volt, DC power supply. Following is a list of power supplies that will work.

- Digikey - 800-344-4539 - P.N. T982-P1P-ND (1/2 Amp)
- Mouser - 800-346-6873 - P.N. 412-11251 (1/2 Amp)
- P.N. 412-112101 (1 Amp)
- Jameco - 800-831-4242 - P.N.15392 (1 Amp)

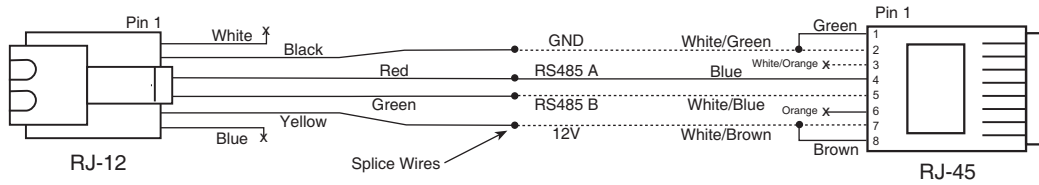
NCE Corporation  
 www.ncedcc.com



- Uses Easily Available Cat5 Cables
- Lower Voltage Drop
- LED Cab Bus Power Indicator
- Can be Used With UTP Installations

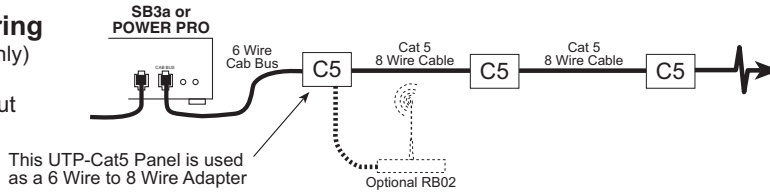
# UTP-CAT5

## Home Made Adapter Cable

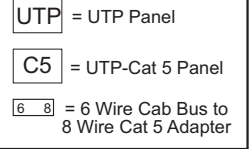


## NEW System Wiring (UTP-CAT5 Panels only)

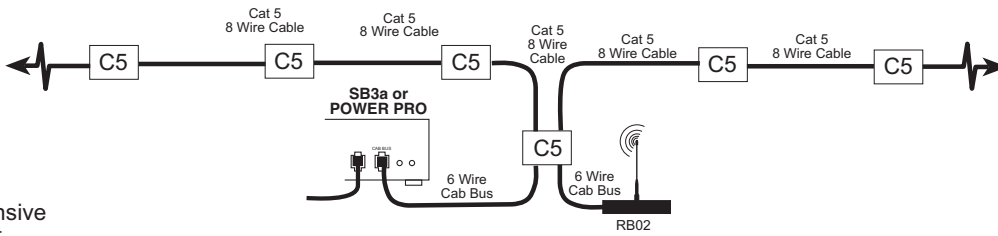
Typical Layout



This UTP-Cat5 Panel is used as a 6 Wire to 8 Wire Adapter

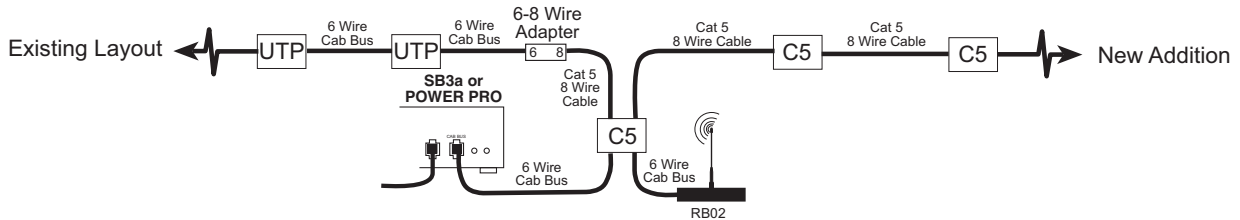
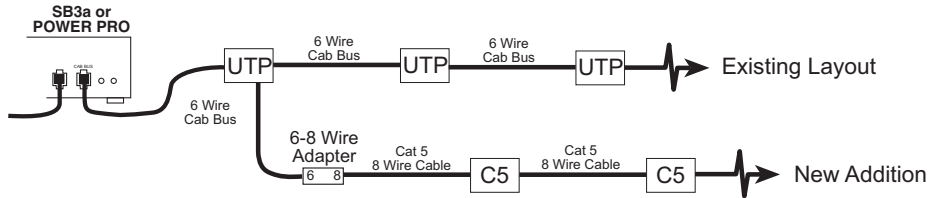
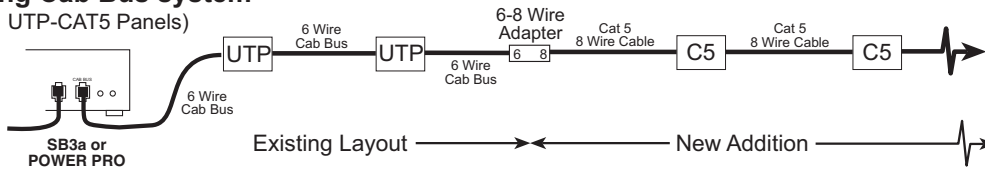


More Extensive Layout

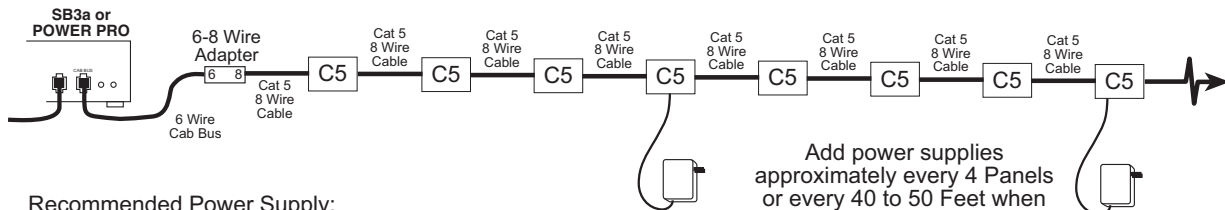


## Add On to Existing Cab Bus system

(Mix of UTP and UTP-CAT5 Panels)



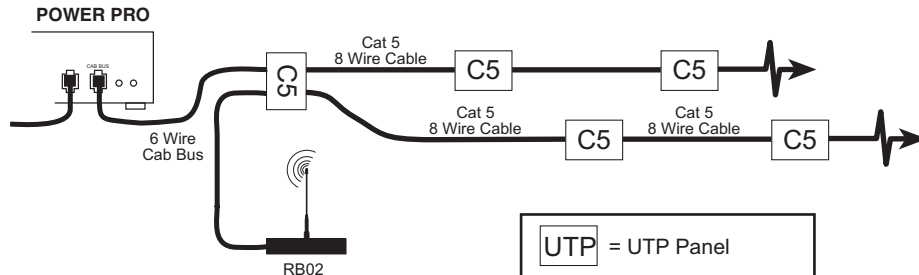
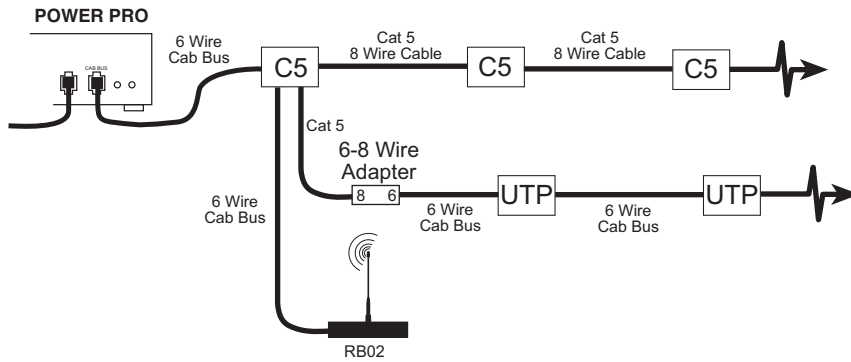
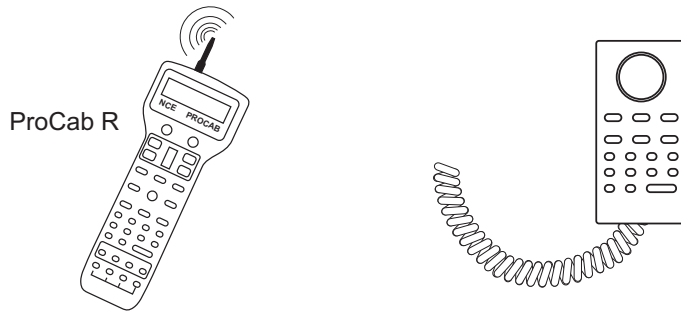
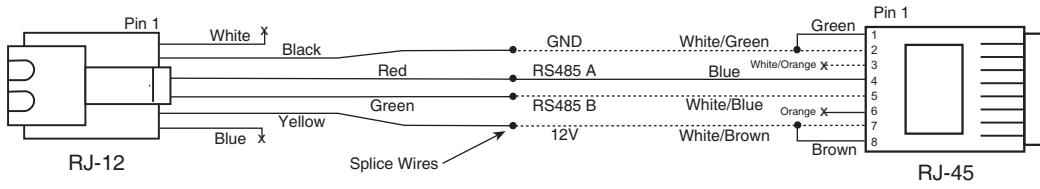
## Adding Power to the Cab Bus



Recommended Power Supply:  
12 VDC, 1/2 to 1 Amp with 3.5mm Plug Center Positive(+).

Add power supplies approximately every 4 Panels or every 40 to 50 Feet when using Cat5 or Cat5E cables.

# Home Made Adapter Cable



**UTP** = UTP Panel  
**C5** = UTP-Cat 5 Panel  
**6 8** = 6 Wire Cab Bus to 8 Wire Cat 5 Adapter